

DEFENCE / LAW ENFORCEMENT DynaROVR system 324



System overview

DynaROVR system 324 is the ultimate bomb disposal system, including:

- the sophisticated, high technology tool carrier DynaROVR R30, with forks and heavy duty crane
- fragment-shielded gripping tool DynaKEEPR G12
- splinter-proof operator's cabin
- 1 km remote operation range from operators cabin
- gas-tight DynaSEALR X14 explosion containment vessel rated for 10 kg of TNT-equivalent
- trailer for road transport

Ultimate bomb disposal system

DynaROVR system 324 is the ultimate bomb disposal solution, for safe removal, containment and transport of grenades, artillery shells, mines, duds, IED's, UXO's etc.

- Radio control the DynaROVR R30 up to 1 000 m, supported by the vision system.
- Perform precision manoeuvring and lift over 2 tons as far out as 12 m, with the heavy duty hydraulic crane.
- Do all this from the operator's cabin at a safe distance.

The remote operated DynaROVR R30 features forks, crane and the fragment-shielded gripping tool DynaKEEPR G12. It is road transported on the trailer, together with an armoured operator's cabin and the gas-tight explosion containment vessel DynaSEALR X14.

From the operator's cabin, the DynaROVR R30 can be operated within a 1 km range. The object becomes visible through the vision system and is secured inside the gripping device DynaKEEPR G12. The fragment shield and blast mitigation system within the gripping device immediately reduces the risk to the surrounding area.

With the suspicious object secured, DynaROVR R30 is driven back to the trailer by remote control. The DynaKEEPR G12 with the object gripped, is placed inside the DynaSEALR X14-chamber, and released from the crane. The DynaSEALR X14 is closed, locked and the gas-tight seals are pressurized.

The suspicious object is now secured and safe for road transport to the disposal site.

The trailer is compatible with most trucks on the market. The truck is not included in this system.

Technical characteristics

Characteristic	Value	Condition/Comment
DynaROVR system 324		
Maximum length, transportation position	14600 mm	Equals 574.8 inch, Excl truck
Maximum operational weight	43000 kg	Excl truck
Remote operated vehicle DynaROVR R30		
Remote operation range	1000 m	From operators cabin
Weight	17000 kg	With forks and crane, excl gripping device
Height, crane in transport position	3000 mm	Equals 118.1 inch
Width, crane in transport position	2550 mm	Equals 100.4 inch
Length, crane in transport position	7200 mm	Equals 283.5 inch
Containment vessel DynaSEALR X14		
Rated explosion capacity	10 kg TNTeq	
Gripping device DynaKEEPR G12		
Maximum size of loaded object (LxWxH)	900 x 600 x 600 mm	Equals 35.4 x 23.6 x 23.6 inch
Maximum weight of loaded object	100 kg	
Minimum size of loaded object (LxWxH)	250 x 250 x 250 mm	Equals 9.8 x 9.8 x 9.8 inch
Minimum weight of loaded object	1 kg	
Crane		
Maximum lifting capacity at max outreach	2100 kg	
Maximum outreach	12500 mm	Incl hydraulic outriggers (eq 492.1 inch)
Fork lift		
Maximum lifting capacity	6000 kg	At 600 mm (eq 23.6 inch) outreach
Maximum lifting height	400 mm	Equals 15.7 inch

Note: All technical data is indicative only. The final numbers will be shown on the drawing.



Above:
DynaROVR system 324, connected to truck (not included)



Right:
DynaROVR 30, with DynaKEEPR G12 connected

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