CARBON TROOP SHELTER

CTZ 0600/250/336

HTS RAPID DEPLOYMENT SHELTERS

HTS-RDS CARBON HYBRID Troop Shelter Tents

CARBON HYBRID Troop Shelter - The most advanced materials and innovative design have come together to create the HTS-RDS CARBON HYBRID Troop Shelter. The shelters are much stronger than a comparable conventional structure and will withstand far higher snow and wind loads. They are also much lighter and smaller when packaged than a traditional counterpart- up to 35% reduced weight and up to 50% reduced volume.

Technical Dimensions

Width:	6.00m
Minimum Length:	3.00m
Extension (unlimited):	3.00m
Side height:	2.50m
Peak height:	3.36m
Bay distance:	3.00m
Snow Load:	85 kg/m²
Wind load:	112 km/hr
Temperature Operative Range:	-40°C to +70°C

Packaging Dimensions Standard Tent (6.00m x 9.00m)

Longest part:	2.75m
Weight (approx.):	465.00 kg
Transport dimensions:	1 Bundle (3.10m x 1.00m x 1.50m)

Technical Characteristics

Structure:	European – hard pressed extruded structural aluminum
Main profile size:	81 / 50 / 3 mm (4 Channel) CARBON-ALUMINIUM hybrid profile
Connection components:	European – hot dipped, structural grade corrosive resistant galvanized steel
Covering:	Robust industrial grade PVC, 650g/m² coated polyester fabric. Flame retardant according to DIN 4102 B1, M2, BS 5438/7837, USA NFPA701





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A DIVISION OF HTS RÖDER HTS HÖCKER GMBH

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QMS ISO 9001 REGISTERED FIRM RÖDER HTS HÖCKER

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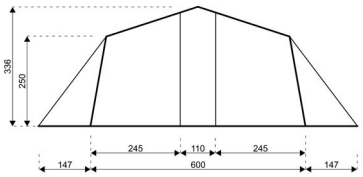
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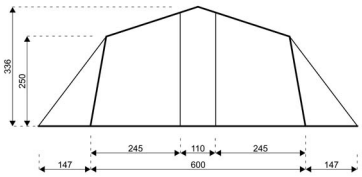
Technical Features

Structure

- Frame made out of extruded 4-channel-Profiles
- CARBON-ALUMINIUM hybrid profile, EN AW-6005 T6
- Galvanized steel plate eave and ridge connector
- Each front and rear bay with 2 gable uprights
- Base plates made out of Steel - S235
- Purlins made out of extruded Aluminum profiles
- Including set up equipment
- Ground anchors made out of steel, galvanized







Covers

- Usable from both sides
- One door on each gable side/ end field (1.20 m x 2.10 m)
- Roof cover with windows on both sides and in the central position, each window with welded mosquito netting, transparent flap and outer flap
- Pipelines for HVAC and cables systems
- Mudflap fixed at covers end
- Mudflap made out of PVC, same colour as the roof cover
- High frequency welded
- Waterproof
- Putrefaction-restraining (anti-fungicidal)
- Bar tensioned
- Packbags for each cover part of the tent, bags made out of PVC material

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Covers

Type of coating:	PVC
Finish:	UV-protected
Standard colour outside:	Outside olive-green - RAL 6031
Standard colour inside:	White
High-quality PVC:	650 gr/ sqm - EN ISO 2286-2
Tensile strength - warp/ weft:	2500 / 2500 N/5cm - EN ISO 1421/V1
Tear resistance - warp/ weft:	250 N / 250 N - DIN 53363
Adhesion:	20 N/cm - PA 09.03
Cold resistance:	- 40°C - EN 1876-1
High Temperature:	+ 70°C - PA 07.04
Light fastness:	>6 Note, Value - EN ISO 105 B02
Crack resistance:	100000 x - DIN 53359 A
Yarn count:	1100 dtex - ISO 2060
Flame retardant according to:	BS 7837, California T 19, D.M. 26.06.84 (UNI 9177): CL. 2, DIN 4102: B1, NFP, 92507: M2, NFPA 701 Test 2, EN 13501-1: B-s2-d0

Accessories

Roder HTS Hocker GmbH provides an unlimited range of accessories to support its range of military and relief shelter systems.

- Sunshade cover and insulation liners for better climate inside the tent
- Different types of flooring systems available
- Electrical equipment (Distribution boxes, lighting systems, cables...)
- Heating, ventilation, air conditioning - System (HVAC)
- Complete camp solution, including supply, installation, maintenance and much more.

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