

## 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

<b>Width:</b>	6.00m
<b>Minimum Length:</b>	3.00m
<b>Extension (unlimited):</b>	3.00m
<b>Side height:</b>	2.50m
<b>Peak height:</b>	3.36m
<b>Bay distance:</b>	3.00m
<b>Snow Load:</b>	85 kg/sqm
<b>Wind load:</b>	112 km/hr
<b>Temperature Operative Range:</b>	-40°C to +80°C

### Packaging Dimensions Standard Tent (6.00m x 9.00m)

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

### Technical Characteristics

<b>Structure:</b>	European – hard pressed extruded structural aluminum
<b>Main profile size:</b>	81 / 50 / 3 mm (4 Channel) CARBON-ALUMINIUM hybrid profile
<b>Connection components:</b>	European – hot dipped, structural grade corrosive resistant galvanized steel
<b>Covering:</b>	Robust industrial grade PVC, 650g/m <sup>2</sup> coated polyester fabric. Flame retardant according to DIN 4102 B1, M2, BS 5438/7837, USA NFPA701



#### HEAD OFFICE, PRODUCTION & SALES OFFICE

HTS-RDS / Röder HTS Höcker GmbH  
Hinter der Schlagmühle 1, 63699 Kefenrod, Germany

#### CONTACT

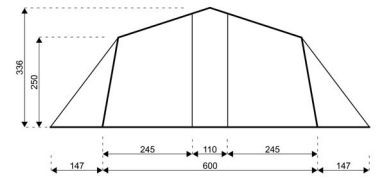
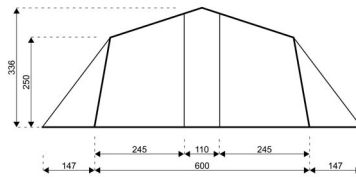
**T:** +49 (0) 6049 9510-0 **F:** +49 (0) 6049 9510-20  
**E:** rds@roeder-hts.de **W:** www.hts-rds.com



## 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

## Covers

• <b>Type of coating:</b>	PVC
• <b>Finish:</b>	UV-protected
• <b>Standard colour outside:</b>	Outside olive-green - RAL 6031
• <b>Standard colour inside:</b>	White
• <b>High-quality PVC:</b>	650 gr/ sqm - EN ISO 2286-2
• <b>Tensile strength - warp/ weft:</b>	2500 / 2500 N/5cm - EN ISO 1421/V1
• <b>Tear resistance - warp/ weft:</b>	250 N / 250 N - DIN 53363
• <b>Adhesion:</b>	20 N/cm - PA 09.03
• <b>Cold resistance:</b>	- 40°C - EN 1876-1
• <b>High Temperature:</b>	+ 70°C - PA 07.04
• <b>Light fastness:</b>	>6 Note, Value - EN ISO 105 B02
• <b>Crack resistance:</b>	100000 x - DIN 53359 A
• <b>Yarn count:</b>	1100 dtex - ISO 2060
• <b>Flame retardant according to:</b>	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.