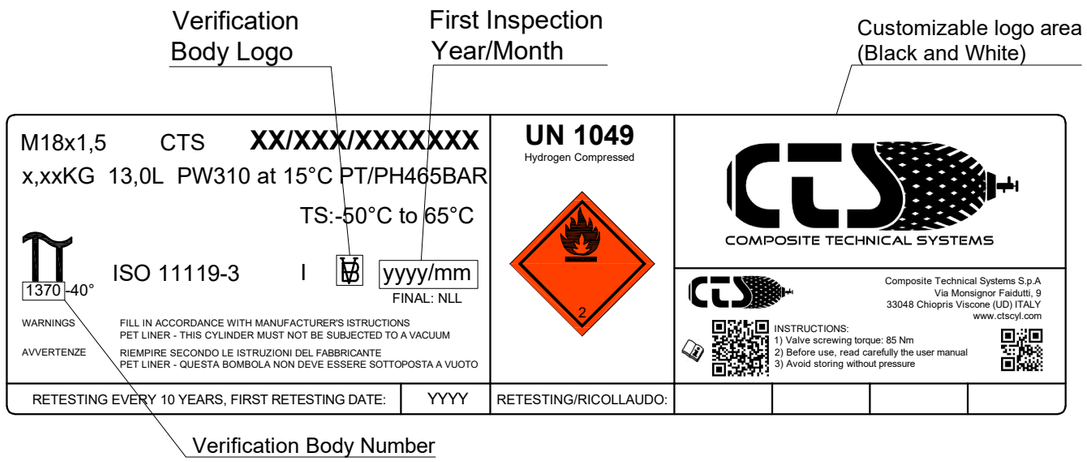
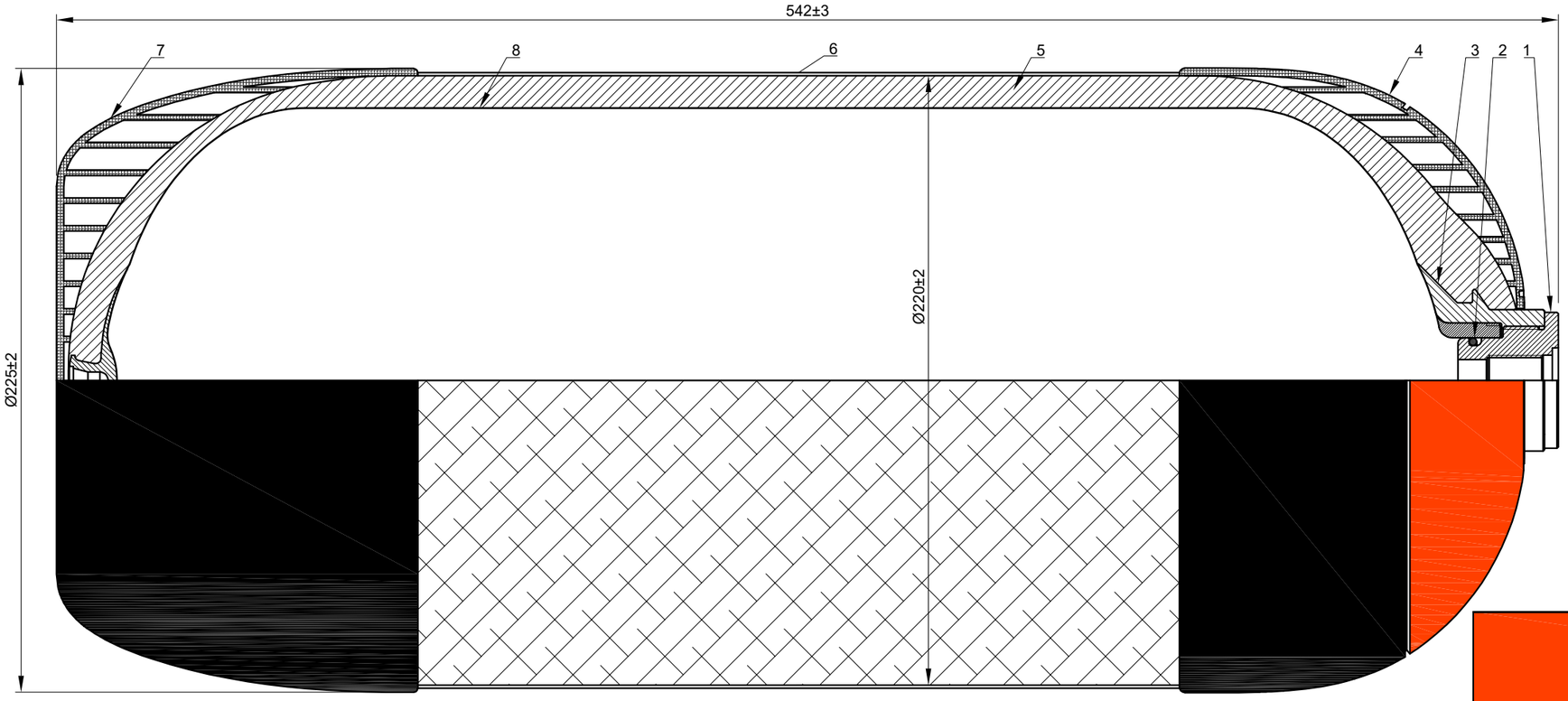



| Cylinder layout | Description and notes | Empty cylinder weight - Aluminum alloy | Empty cylinder weight - Stainless steel |
|---|---|---|---|
| Cylinder without finishings (bare cylinder) | Without finishings | 5.30±0.30 kg<br>11.68±0.66 lbs | 5.72±0.30 kg<br>12.61±0.66 lbs |
| Finished cylinder with transparent coating | Finished cylinder with transparent coating and rubber caps. | 6.27±0.30 kg<br>13.82±0.66 lbs | 6.69±0.30 kg<br>14.75±0.66 lbs |




Legend:

1. Inner boss (internal nozzle)

| THREADS | |
|---|---|
| STANDARD THREAD | M18x1.5 - EN ISO 15245-1 |
| OTHER COMMON THREADS | M25x2.0 - EN ISO 15245-1 |
| | 17E - EN ISO 11363-1 |

2. O-ring
3. Outer boss (external nozzle)
4. Upper rubber cap
5. Composite stratification layer
6. Optional exterior finishing
7. Bottom rubber cap
8. Internal PET liner

## CTS SpA Type 4 cylinders Data Sheet: 13.0 lt 310 bar Hydrogen

| | |
|---|---|
| Working pressure: 310 bar (4496 psi) | Boss (nozzles) material: Anodized aluminum alloy OR Stainless steel |
| Test pressure: 465 bar (6744 psi) | Liner material: PET |
| Min. design burst pressure: >930 bar (13489 psi) | Reinforcement material: Carbon fiber + Epoxy resin |
| Water capacity: 13.0 L (793.31 cu. inch) — Hydrogen mass: 274 g (9.67 oz) | Exterior finishing: Transparent coating |
| Service life: non limited (NLL) according to ISO 11119-3 : 2013 | Developed pressure at 65°C: 366 bar (5308 psi) |
| Specifications: ISO 11119-3 : 2013;<br>European Directive TPED 2010/35/UE; ADR 2021 | Approved gases:<br>UN 1049 Hydrogen, compressed |

The image has the only purpose to represent the product.