

Verification Body Number

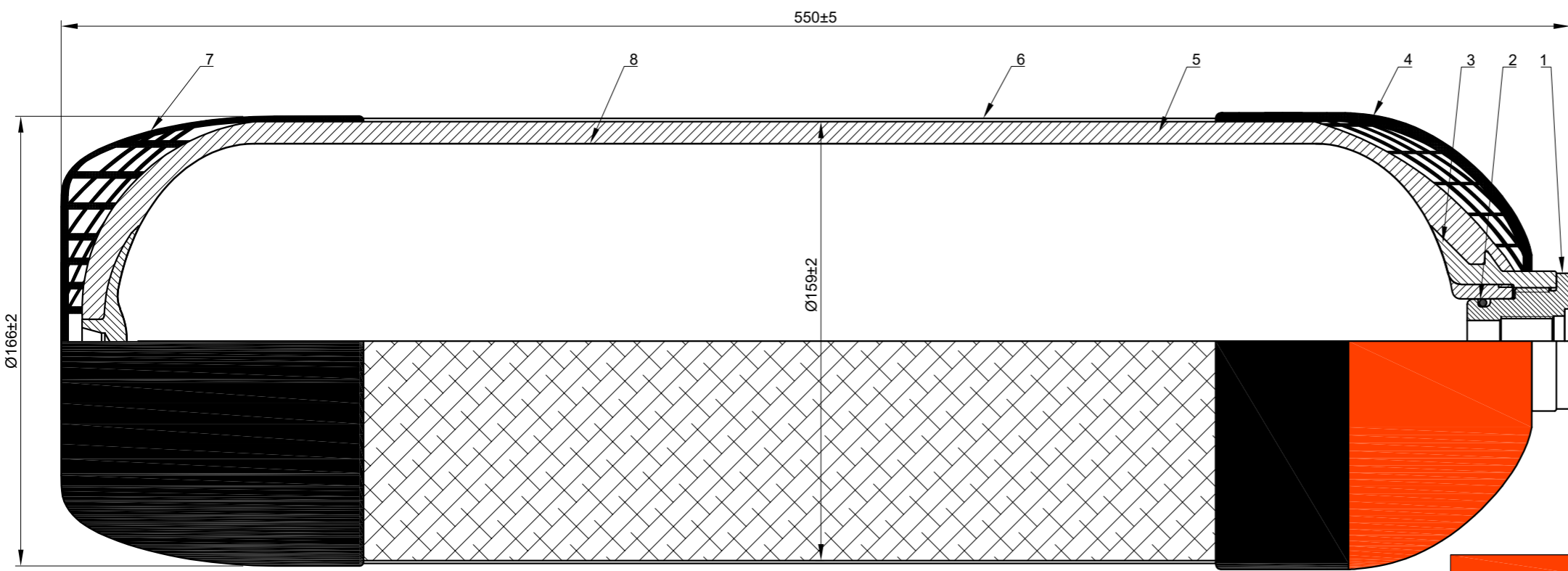
Verification Body Logo

Cylinder layout	Description and notes	Empty cylinder weight - Aluminum alloy	Empty cylinder weight - Stainless steel
Cylinder without finishings (bare cylinder)	Without finishings	3.03±0.24 kg 6.68±0.52 lbs	3.45±0.30 kg 7.60±0.66 lbs
Finished cylinder with transparent coating	Finished cylinder with transparent coating and rubber caps.	3.62±0.24 kg 7.98±0.52 lbs	4.04±0.30 kg 8.90±0.66 lbs
Finished cylinder with yellow or black sleeve	Finished cylinder with coloured sleeve (black or yellow), transparent sleeve and rubber caps.	3.90±0.24 kg 8.60±0.52 lbs	4.32±0.30 kg 9.52±0.66 lbs

Legend:

- ① Inner boss (internal nozzle)
- 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

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



CTS SpA Type 4 cylinders Data Sheet:
7.2 It 300 bar Hydrogen

Working pressure: 300 bar (4351 psi)	Boss (nozzles) material: Anodized aluminum alloy OR Stainless steel
Test pressure: 450 bar (6527 psi)	Liner material: PET
Min. design burst pressure: >900 bar (13053 psi)	Reinforcement material: Carbon fiber + Epoxy resin
Water capacity: 7.2 L (439.37 cu. inch)	Hydrogen mass: 152 g (5.4 oz)
Exterior finishing: Customer specifications	Developed pressure at 60°C: 349 bar (5062 psi)
Service life: non limited (NLL) according to EN 12245:2009 + A1:2011	Approved gases: UN 1049 Hydrogen, compressed
Specifications: EN 12245:2009 + A1:2011; European Directive TPED 2010/35/UE, ADR 2021 or European Directive PED 2014/68/UE	



The image has the only purpose to represent the product.