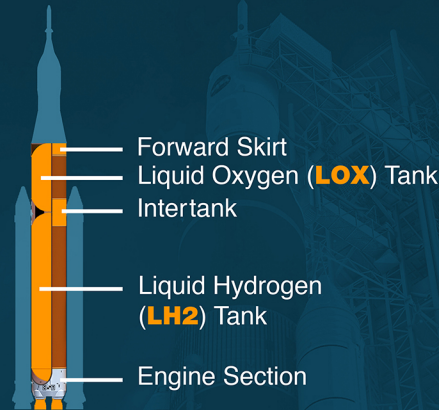


CORE STAGE

101*

* Or: What you need to know about the Space Launch System Core Stage, the backbone of the rocket.

INSIDE THE CORE STAGE



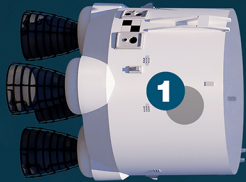
HOW BIG IS THE SLS CORE STAGE?

- **212'** tall and **27.6'** in diameter
- **~2.3M POUNDS** with propellant
- The largest rocket stage ever built
- Fuels the world's most powerful rocket



A FAST RIDE!

SLS reaches **MACH 23** (faster than **17,000 MPH**) in just **8.5 MINUTES**.



1

ENGINE SECTION

- Delivers propellants from the LH2 and LOX tanks to **4 RS-25 ENGINES**
- Avionics to steer engines
- Aft booster attach point

2

LH2 TANK

- Holds **537,000 GALLONS** of liquid hydrogen cooled to **-423°F**

3

INTERTANK

- Joins **LH2** and **LOX** tanks
- Houses avionics and electronics
- Forward booster attach point

4

LOX TANK

- Holds **196,000 GALLONS** of liquid oxygen cooled to **-297°F**

5

FORWARD SKIRT

- Houses flight computers, cameras, and avionics — the **"BRAINS"** of the rocket



Fuels 4 engines to produce a total **2 MILLION POUNDS** of thrust



733,000 GALLONS of propellant fill the **LH2** and **LOX** tanks together, enough to fill **63** large tanker trucks.