



How large is the
launch vehicle stage adapter?

1
00:00:00,000 --> 00:00:02,982
Hi, I'm Jennifer Takeshita.
I'm the Teledyne Brown

2
00:00:02,982 --> 00:00:06,152
manufacturing lead for the
Launch Vehicle Stage Adapter.

3
00:00:06,152 --> 00:00:08,821
We're here at Marshall Space
Flight Center and this is

4
00:00:08,821 --> 00:00:10,906
Rocket Science in Sixty Seconds.

5
00:00:10,906 --> 00:00:14,702
■■■■■

6
00:00:14,702 --> 00:00:17,580
So the LVSA connects the
SLS core stage to the

7
00:00:17,580 --> 00:00:20,082
Interim Cryogenic Propulsion
Stage at the top.

8
00:00:20,082 --> 00:00:23,627
■■■■■

9
00:00:23,627 --> 00:00:26,338
My team works with NASA
to create four hundred thirty

10
00:00:26,338 --> 00:00:28,883
feet of defect free welding.
That's the equivalent of

11
00:00:28,883 --> 00:00:30,718
one and a half football fields.

12

00:00:30,718 --> 00:00:34,430



13

00:00:34,430 --> 00:00:37,892

The Launch Vehicle Stage Adapter
is 27 point 6 feet in

14

00:00:37,892 --> 00:00:40,770

diameter at the bottom, sixteen
point eight feet at the top

15

00:00:40,770 --> 00:00:44,106

and it's a thirty foot tall cone,
approximately the size of

16

00:00:44,106 --> 00:00:45,357

a three story building.

17

00:00:45,357 --> 00:00:48,903



18

00:00:48,903 --> 00:00:52,698

The LVSA connects and protects.
It connects the core stage

19

00:00:52,698 --> 00:00:55,743

to the In-Space stage while
protecting the the In-Space stage