

1

00:00:00,000 --> 00:00:02,500

Do not try what you're about to see at home.

2

00:00:02,500 --> 00:00:05,700

We consult with experts, we take every precaution and

3

00:00:05,700 --> 00:00:08,220

we have years of experience in dangerous situations.

4

00:00:09,220 --> 00:00:18,220

All for the glory!

5

00:00:31,220 --> 00:00:32,220

Oh no!

6

00:00:32,220 --> 00:00:33,220

Oh yes!

7

00:00:33,220 --> 00:00:35,220

That can only mean one thing.

8

00:00:35,220 --> 00:00:42,220

Yes it can, it means back by popular demand it's time for the Ducktape special number two.

9

00:00:44,220 --> 00:00:46,220

It was one of our most popular shows.

10

00:00:46,220 --> 00:00:48,220

I'm giving it all we got captain!

11

00:00:48,220 --> 00:00:53,220

When the Mythbusters paid homage to Ducktape, fans went into a frenzy.

12

00:00:55,220 --> 00:00:56,220

More Ducktape!

13

00:00:56,220 --> 00:00:57,220

Love it!

14

00:00:57,220 --> 00:01:02,220

Because you asked for it, they're putting more Ducktape tales to the ultimate test.

15

00:01:02,220 --> 00:01:03,220

Oh it's for real.

16

00:01:06,220 --> 00:01:10,220

That was a pretty cool boat.

17

00:01:10,220 --> 00:01:17,220

In my mind's eye, a chasm, wide and deep, spanned only by Ducktape.

18

00:01:17,220 --> 00:01:18,220

A Ducktape bridge.

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00:01:18,220 --> 00:01:21,220

That you and I can walk across.

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00:01:21,220 --> 00:01:22,220

Sounds dangerous.

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00:01:22,220 --> 00:01:23,220

Exactly!

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00:01:35,220 --> 00:01:47,220

We don't before we decide on a final design, I think we should run Ducktape through its paces in the shop downstairs.

23

00:01:47,220 --> 00:01:50,220

A series of bench tests if you will.

24

00:01:50,220 --> 00:01:51,220

Okay.

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00:01:54,220 --> 00:01:59,220

Look, obviously we're already pretty familiar with the awesome power of Ducktape.

26

00:01:59,220 --> 00:02:03,220

But if we're gonna make a bridge out of this stuff that safely suspends us above a castle,

27

00:02:03,220 --> 00:02:05,220

we're gonna have to determine a couple of things right up front.

28

00:02:05,220 --> 00:02:09,220

One, how much are we gonna need to support our body weight?

29

00:02:09,220 --> 00:02:13,220

Two, how are we gonna anchor the Ducktape to the sides of that chasm?

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00:02:13,220 --> 00:02:16,220

That's what we're about to test and figure out.

31

00:02:19,220 --> 00:02:21,220

So where do you want to begin?

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00:02:21,220 --> 00:02:25,220

Let's say we stretch out a single strand and see what it takes to break it.

33

00:02:25,220 --> 00:02:26,220

Sounds good, let's do it.

34

00:02:26,220 --> 00:02:30,220

Step one, a single strand strengths test.

35

00:02:30,220 --> 00:02:34,220

Today the role of our strength testing device will be played by a digital force gauge.

36

00:02:34,220 --> 00:02:41,220

I will pull on the Ducktape with this hook and right here it'll tell me how many pounds of force it takes before it breaks.

37

00:02:44,220 --> 00:02:46,220

Ten, twelve, thirteen.

38

00:02:46,220 --> 00:02:48,220

This is killing me.

39

00:02:48,220 --> 00:02:52,220

I don't mean it's hurting, it's just the indissimination.

40

00:02:52,220 --> 00:02:54,220

Sixty-three.

41

00:02:54,220 --> 00:02:55,220

Oh!

42

00:02:55,220 --> 00:02:59,220

Sixty-seven point three pounds of force to break it.

43

00:02:59,220 --> 00:03:01,220

Wow, that's more than I would have thought.

44

00:03:01,220 --> 00:03:03,220

Me too.

45

00:03:03,220 --> 00:03:09,220

They might be well acquainted with Ducktape's awesome qualities, but it still has the power to surprise.

46

00:03:09,220 --> 00:03:13,220

I didn't realize the Ducktape was gonna be that strong.

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00:03:13,220 --> 00:03:23,220

That means that we could in fact build a bridge in theory with like three or four strips of Ducktape and nothing else.

48

00:03:24,220 --> 00:03:30,220

That little laugh means Jamie's already plotting to put that theory to the test.

49

00:03:30,220 --> 00:03:33,220

I want to stretch four across and sit on it.

50

00:03:33,220 --> 00:03:34,220

And sit on it?

51

00:03:34,220 --> 00:03:35,220

Yeah.

52

00:03:35,220 --> 00:03:43,220

Okay, one strand snaps at sixty-seven pounds, so four strands should hold a one hundred and eighty pound Heinemann, right?

53

00:03:43,220 --> 00:03:45,220

You ready to sit on this?

54

00:03:45,220 --> 00:03:46,220

I am.

55

00:03:46,220 --> 00:03:48,220

Alright, go for it.

56

00:03:50,220 --> 00:03:52,220

Slow down, slow down.

57

00:03:52,220 --> 00:03:54,220

So you're hanging?

58

00:03:54,220 --> 00:03:55,220

I am.

59

00:03:55,220 --> 00:03:57,220

I would say I'm off the ground.

60

00:03:57,220 --> 00:03:59,220

That's pretty stunning.

61

00:03:59,220 --> 00:04:06,220

With a combined load bearing capacity of more than two hundred and sixty pounds, the four strands support Jamie.

62

00:04:06,220 --> 00:04:09,220

But they're drooping more than his mustache.

63

00:04:09,220 --> 00:04:11,220

You're drooping like six feet over thirty feet.

64

00:04:11,220 --> 00:04:13,220

That's quite a bit.

65

00:04:13,220 --> 00:04:19,220

Yep, it's supporting me, but I have to say four pieces of Ducktape does not a bridge make.

66

00:04:20,220 --> 00:04:26,220

We're now going to try a strand of eight pieces of Ducktape and see if we get less droop.

67

00:04:26,220 --> 00:04:30,220

We'll doubling the amount of tape have the droop factor.

68

00:04:30,220 --> 00:04:32,220

You ready for a sitting on eight pieces?

69

00:04:32,220 --> 00:04:33,220

I'm ready.

70

00:04:33,220 --> 00:04:40,220

With Jamie sitting pretty on his perch, Adam runs a tape over the tape and the news isn't good.

71

00:04:40,220 --> 00:04:42,220

Four feet of droop instead of five feet of droop.

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00:04:42,220 --> 00:04:49,220

You would think that that doubling of the quantity of Ducktape would, what, cut the amount of droop in half, but it didn't.

73

00:04:49,220 --> 00:04:54,220

Hopes of a successful bridge are second until Adam hits on an idea.

74

00:04:54,220 --> 00:05:00,220

He lays five eight layer strands side by side, then weaves a little magic.

75

00:05:00,220 --> 00:05:08,220

I'm trying to tease out some structural qualities in Ducktape that will eventually yield for me, this is my goal, a bridge that I can actually walk on.

76

00:05:09,220 --> 00:05:12,220

And it seems they might have finally found their footing.

77

00:05:12,220 --> 00:05:15,220

It doesn't feel that bad. You want to try it?

78

00:05:15,220 --> 00:05:17,220

No, I can see.

79

00:05:17,220 --> 00:05:23,220

With his weight distributed across all five strands, the extreme sag might be solved.

80

00:05:23,220 --> 00:05:26,220

Yeah, it looks good. With handrails, you could walk right across this thing.

81

00:05:26,220 --> 00:05:29,220

And with five of those, you've got a good safety factor.

82

00:05:29,220 --> 00:05:34,220

This stuff is amazing. You know, we might just be able to build a bridge out of this.

83

00:05:34,220 --> 00:05:36,220

I think you're right.

84

00:05:36,220 --> 00:05:38,220

Look, ma, no hands.

85

00:05:44,220 --> 00:05:47,220

Alright, so last time we built a cannon at a Ducktape. What are we doing this time?

86

00:05:47,220 --> 00:05:54,220

So along with road flares, jumper cables, devices to smash out your windows, there's one more very important tool you should be carrying along in your car.

87

00:05:54,220 --> 00:05:56,220

Ducktape.

88

00:05:56,220 --> 00:06:01,220

Yeah, sure. If you get into a minor fender bender, you could usually hold things together until you get to the mechanic.

89

00:06:01,220 --> 00:06:02,220

Exactly.

90

00:06:02,220 --> 00:06:06,220

Now, I hate to ruin your party, but that's actually not a myth. It works.

91

00:06:06,220 --> 00:06:08,220

I mean, I've used Ducktape to fix my car in the past.

92

00:06:08,220 --> 00:06:11,220

Well, I think the myth lies in the extreme.

93

00:06:11,220 --> 00:06:13,220

Just what are you getting at?

94

00:06:13,220 --> 00:06:15,220

I have some plans for you guys.

95

00:06:18,220 --> 00:06:23,220

Everyone knows a few strips of Ducktape can mend a minor automotive mishap.

96

00:06:23,220 --> 00:06:28,220

But can it really cure the most extreme car catastrophe?

97

00:06:28,220 --> 00:06:33,220

I have a plan. I'm going to tear apart a car and see if you can put it back together with Ducktape.

98

00:06:33,220 --> 00:06:36,220

Good plan. Sounds like a challenge to me.

99

00:06:36,220 --> 00:06:38,220

Oh, you don't even know.

100

00:06:38,220 --> 00:06:46,220

Putting the car back together is only part of the challenge. It will also have to stay in one piece at top speed.

101

00:06:46,220 --> 00:06:52,220

And so yet another unfortunate automobile enters the driveway of doom.

102

00:06:52,220 --> 00:06:56,220

Alright, time to wreck this car.

103

00:06:56,220 --> 00:07:00,220

This little adventure is really going to put Ducktape to the test.

104

00:07:00,220 --> 00:07:04,220

The boys are going to have to put this car back together after I destroy it.

105

00:07:04,220 --> 00:07:10,220

Now, they think it's going to be easy. I think they are underestimating my destructive powers.

106

00:07:10,220 --> 00:07:15,220

To really test the tape, she wants that car in as many pieces as possible,

107

00:07:15,220 --> 00:07:18,220

and has developed a disturbing appetite for destruction.

108

00:07:18,220 --> 00:07:23,220

I love destroying cars, breaking glass,

109

00:07:23,220 --> 00:07:27,220

crunching metal. It's awesome.

110

00:07:27,220 --> 00:07:35,220

But when it comes to raising the roof, even Carrie's dark side is defeated.

111

00:07:35,220 --> 00:07:39,220

There's actually tools made for this. I think I have some friends that could help.

112

00:07:39,220 --> 00:07:44,220

Q, a crew of San Frans Finest,

113

00:07:44,220 --> 00:07:48,220

ready and willing to help Carrie complete her deranged dismantling.

114

00:07:48,220 --> 00:07:55,220

Just in time. That is awesome. What is that?

115

00:07:55,220 --> 00:07:59,220

These are hydraulic cutting tools, and this is a cutter-spreader combination.

116

00:07:59,220 --> 00:08:02,220

These are cutters, and we're going to use them to cut apart the vehicle.

117

00:08:02,220 --> 00:08:07,220

These tools are designed to quickly open up vehicles and free accident victims.

118

00:08:07,220 --> 00:08:10,220

This makes my tools look silly.

119

00:08:10,220 --> 00:08:17,220

Using hydraulic power, the blades bite down with more than 12,000 pounds of force.

120

00:08:17,220 --> 00:08:20,220

I love it!

121

00:08:20,220 --> 00:08:24,220

Thank you guys so much. This is really going to ruin their day.

122

00:08:24,220 --> 00:08:26,220

Great.

123

00:08:26,220 --> 00:08:28,220

Bye, guys.

124

00:08:28,220 --> 00:08:30,220

Grant and Tori have no idea what they're in for.

125

00:08:30,220 --> 00:08:39,220

It took me a sledgehammer, a crowbar, a grinder, a saw, and four big firemen to destroy this car.

126

00:08:39,220 --> 00:08:42,220

See what they can do with duct tape to put it back together.

127

00:08:42,220 --> 00:08:44,220

Boys!

128

00:08:44,220 --> 00:08:49,220

Oh, my God. You went to town on this car.

129

00:08:49,220 --> 00:08:51,220

It's a convertible now.

130

00:08:51,220 --> 00:08:53,220

Here are your tools.

131

00:08:53,220 --> 00:09:01,220

That is an impressive amount of damage to this car.

132

00:09:01,220 --> 00:09:10,220

I mean, I've heard of duct tape being used to, like, you know, tape on a bumper or a fix of windshield or, you know, wrap a hose.

133

00:09:10,220 --> 00:09:13,220

But you know what? Not all at once.

134

00:09:13,220 --> 00:09:15,220

They're in a sticky situation.

135

00:09:15,220 --> 00:09:17,220

Carrie's done her job real well.

136

00:09:17,220 --> 00:09:20,220

Carrie has cut some key structural points in the car.

137

00:09:20,220 --> 00:09:24,220

Now, it is important that we get it back to that strength because let's face it.

138

00:09:24,220 --> 00:09:29,220

This is what's going to hold the doors on, the roof on top, and keep the windshield in place.

139

00:09:29,220 --> 00:09:32,220

This is really where the duct tape is going to have to prove itself.

140

00:09:32,220 --> 00:09:39,220

Soon the air is filled with the sound of ripping duct tape and Carrie's thoughtful musings on the material.

141

00:09:39,220 --> 00:09:41,220

This duct tape is essentially made of three layers.

142

00:09:41,220 --> 00:09:44,220

We have a vinyl layer on the outside that contributes to its waterproofing qualities.

143

00:09:44,220 --> 00:09:50,220

A fabric structure that gives it its core strength and a natural rubber pressure-sensitive adhesive.

144

00:09:50,220 --> 00:09:55,220

Generally comes in black or silver and is about 1 in 7th, 8th inches.

145

00:09:55,220 --> 00:10:00,220

It's known as duct tape, but also it can be called duct tape, hurricane tape, gaffers tape,

146

00:10:00,220 --> 00:10:03,220

100-mile-an-hour tape, tank tape, and riggers tape.

147

00:10:03,220 --> 00:10:05,220

It does just part of the team.

148

00:10:05,220 --> 00:10:08,220

So far, this team member is holding up its end.

149

00:10:08,220 --> 00:10:13,220

Although replacing the windshield calls for some classic mythbusters problem-solving.

150

00:10:13,220 --> 00:10:15,220

Well, I found this piece from the fender.

151

00:10:15,220 --> 00:10:20,220

I think I'm just going to tape it up until it's strong enough and then attach the windows to that.

152

00:10:20,220 --> 00:10:23,220

Now, what are you going to do about the two separate pieces of glass?

153

00:10:23,220 --> 00:10:28,220

Since Carrie busted out the windshield, I was thinking we could replace it by using the windows and the doors.

154

00:10:28,220 --> 00:10:29,220

What do you think?

155

00:10:29,220 --> 00:10:32,220

Dude, that is so MacGyver. I love it.

156

00:10:33,220 --> 00:10:38,220

The carved-up car is coming back to life, much to Carrie's surprise.

157

00:10:38,220 --> 00:10:42,220

I can't believe how quickly you're getting this car together.

158

00:10:42,220 --> 00:10:45,220

Just wait. We've made a few improvements.

159

00:10:45,220 --> 00:10:47,220

Is that a window from the door?

160

00:10:47,220 --> 00:10:48,220

Yep.

161

00:10:48,220 --> 00:10:50,220

Don't drive too fast.

162

00:10:50,220 --> 00:10:54,220

With the rebuild complete, Carrie can't hide her admiration.

163

00:10:54,220 --> 00:10:59,220

I'm going to drive this car to give the duct tape car a true test.

164

00:10:59,220 --> 00:11:03,220

The guys, if they drove the car, would drive somewhat gingerly because they don't want to see their work fail.

165

00:11:03,220 --> 00:11:05,220

They don't want to see the doors fly off.

166

00:11:05,220 --> 00:11:07,220

I, on the other hand, do.

167

00:11:07,220 --> 00:11:11,220

I'm the wrecking ball in this situation and I want to see things fly.

168

00:11:11,220 --> 00:11:15,220

Later, the highs and lows of a bouncy bridge.

169

00:11:15,220 --> 00:11:19,220

And next, can Carrie demolish the duct tape car?

170

00:11:20,220 --> 00:11:24,220

CARRRY TORI

171

00:11:26,220 --> 00:11:31,220

Carrie Tori and Grant's duct tape car fix is ready for the ultimate test.

172

00:11:31,220 --> 00:11:34,220

Sorry, I might have gotten a little carried away. Hey now.

173

00:11:34,220 --> 00:11:39,220

And so it's off to a place where the Mythbusters have performed many crimes against inanity.

174

00:11:39,220 --> 00:11:41,220

It took you so long.

175

00:11:41,220 --> 00:11:45,220

What we're going to do now is set up a course here at the Alameda runway.

176

00:11:45,220 --> 00:11:57,220

Start, go through a little less curve, around a turn, hairpin turn, and then through a bump, a bump, a bump, and then a really tight turn.

177

00:11:57,220 --> 00:12:03,220

The idea here is to subject the car to as much stress as possible in the form of G-Force.

178

00:12:03,220 --> 00:12:09,220

While old lead foot Byron can't wait to get going, her passenger has one or two reservations.

179

00:12:09,220 --> 00:12:14,220

I have total faith that this duct tape is going to keep this car together as we drive over this obstacle course.

180

00:12:14,220 --> 00:12:18,220

What I do not have faith in is Carrie Byron's driving ability.

181

00:12:20,220 --> 00:12:22,220

This should be interesting to say the least.

182

00:12:24,220 --> 00:12:28,220

Last time, duct tape was able to give a car a huge amount of hang time.

183

00:12:29,220 --> 00:12:32,220

But can it glue a moving vehicle?

184

00:12:32,220 --> 00:12:34,220

All stations ready?

185

00:12:36,220 --> 00:12:40,220

This is duct tape car on the duct tape classic Grand Prix.

186

00:12:40,220 --> 00:12:42,220

Lap one, go ahead.

187

00:12:42,220 --> 00:12:46,220

Okay, here we go. Car number 17 with Byron at the wheel.

188

00:12:46,220 --> 00:12:48,220

Into turn number one, Le Mans.

189

00:12:48,220 --> 00:12:52,220

Carrie drives as though the accelerator is duct tape to the floor.

190

00:12:52,220 --> 00:12:56,220

Now in turn number three, Sylvester.

191

00:12:56,220 --> 00:13:02,220

Through her crazy cornering, the car is subjected to tremendous G-Force.

192

00:13:02,220 --> 00:13:05,220

The bumps, Indianapolis, and back to the beginning.

193

00:13:05,220 --> 00:13:07,220

We're going to die.

194

00:13:08,220 --> 00:13:13,220

Okay, lap number four, go, go, go, go.

195

00:13:13,220 --> 00:13:17,220

I got to say right now, the car is looking perfect.

196

00:13:17,220 --> 00:13:19,220

That's five laps so far. You are looking great.

197

00:13:19,220 --> 00:13:22,220

Even your hood detail is still on.

198

00:13:23,220 --> 00:13:27,220

Carrie's doing between 40 and 60 miles per hour.

199

00:13:27,220 --> 00:13:36,220

In a car with no structural integrity, everything from the roof to the doors is being held on only by tape.

200

00:13:36,220 --> 00:13:39,220

One wheel in the air. Take it easy there, Carrie.

201

00:13:44,220 --> 00:13:45,220

Last lap.

202

00:13:45,220 --> 00:13:47,220

And for the checkered class.

203

00:13:47,220 --> 00:13:50,220

Please, I think I would have. It's a duct tape classic.

204

00:13:51,220 --> 00:13:55,220

Why do you know the duct tape car has stayed the course?

205

00:13:56,220 --> 00:14:00,220

All right, that was ten laps.

206

00:14:01,220 --> 00:14:03,220

You know what? It actually made it.

207

00:14:03,220 --> 00:14:05,220

We survived.

208

00:14:06,220 --> 00:14:11,220

Airpan turns, S-curves, bumps, I go over sandbags, I get air.

209

00:14:11,220 --> 00:14:13,220

Still, duct tape is holding up.

210

00:14:13,220 --> 00:14:15,220

That was on flat ground.

211

00:14:15,220 --> 00:14:17,220

Now it's time to take it to the next level.

212

00:14:17,220 --> 00:14:19,220

We're sending it off-road.

213

00:14:19,220 --> 00:14:22,220

And in addition, it looks like it's going to rain.

214

00:14:25,220 --> 00:14:29,220

Maybe getting off the beaten track will bring this myth unstuck.

215

00:14:30,220 --> 00:14:32,220

Mad Maxine floors it.

216

00:14:32,220 --> 00:14:34,220

Over there, it's a brush.

217

00:14:37,220 --> 00:14:39,220

Ah!

218

00:14:42,220 --> 00:14:48,220

After several soggy minutes thumping and bumping, this duct tape myth suddenly stalls.

219

00:14:49,220 --> 00:14:50,220

Car's dead.

220

00:14:52,220 --> 00:14:56,220

Only on MythBusters. Everyone's worried about the duct tape.

221

00:14:56,220 --> 00:15:00,220

But the only thing that's busted is the engine. The tape hasn't budged.

222

00:15:00,220 --> 00:15:03,220

The G-Force alone should have torn that thing apart.

223

00:15:03,220 --> 00:15:05,220

But look at that. The hood ornament did not fall off.

224

00:15:05,220 --> 00:15:09,220

I gotta say, I think we're going to have to call this one confirmed.

225

00:15:09,220 --> 00:15:11,220

Absolutely confirmed.

226

00:15:11,220 --> 00:15:13,220

Totally confirmed.

227

00:15:20,220 --> 00:15:24,220

Jamie and Adam have worked out the amount of duct tape they'll need to build a bridge.

228

00:15:24,220 --> 00:15:30,220

But before they decide on a design, they need to know exactly what space they'll be spanning.

229

00:15:30,220 --> 00:15:34,220

This is our chasm. 108 feet from this wall to that wall.

230

00:15:34,220 --> 00:15:37,220

It is this distance that we have to span.

231

00:15:38,220 --> 00:15:41,220

After sizing up the gulp-inducing gap...

232

00:15:42,220 --> 00:15:45,220

Inside is 104 and 2 inches.

233

00:15:46,220 --> 00:15:47,220

Awesome.

234

00:15:47,220 --> 00:15:50,220

They return to base for the plan to span.

235

00:15:51,220 --> 00:15:52,220

Alright.

236

00:15:52,220 --> 00:15:54,220

How do you want to do this thing?

237

00:15:54,220 --> 00:15:56,220

Well, I figured this is basically a rope bridge.

238

00:15:56,220 --> 00:15:59,220

So let's make a bunch of rope out of duct tape.

239

00:16:00,220 --> 00:16:03,220

Okay, I can see that. We make a bunch of ropey strands.

240

00:16:03,220 --> 00:16:06,220

We could bind a bunch of them together to make the floor.

241

00:16:06,220 --> 00:16:10,220

And then another couple of probably thick strands for a railing.

242

00:16:10,220 --> 00:16:12,220

That would actually be pretty stable.

243

00:16:12,220 --> 00:16:17,220

And then we can have some big ones along the side that are stretched tight to make it stable.

244

00:16:18,220 --> 00:16:22,220

The small scale test showed just five strands of duct tape.

245

00:16:22,220 --> 00:16:26,220

Eight layers thick can support their weight without major droop.

246

00:16:26,220 --> 00:16:30,220

But just to be safe, they'll make their walkway ten layers thick.

247

00:16:30,220 --> 00:16:33,220

Adam's anxious to speed up the taping process.

248

00:16:33,220 --> 00:16:39,220

I'm about to construct what I hope will be the ultimate automatic duct taping machine.

249

00:16:40,220 --> 00:16:43,220

Look out. Adam's just itching to invent.

250

00:16:44,220 --> 00:16:48,220

Step one, some cylinders which fit together, Russian doll style.

251

00:16:50,220 --> 00:16:51,220

Alright.

252

00:16:51,220 --> 00:16:53,220

Attached to a metal strut.

253

00:16:53,220 --> 00:16:54,220

Okay.

254

00:16:54,220 --> 00:16:56,220

Which is welded to a support frame.

255

00:16:56,220 --> 00:16:57,220

It's looking great.

256

00:16:57,220 --> 00:17:01,220

Just add duct tape and, behold, the ductomatic.

257

00:17:01,220 --> 00:17:04,220

Dispensing ten strands simultaneously.

258

00:17:04,220 --> 00:17:05,220

Wow.

259

00:17:05,220 --> 00:17:06,220

It's a new kind of duct tape.

260

00:17:06,220 --> 00:17:07,220

Duct tape cables.

261

00:17:08,220 --> 00:17:10,220

Honestly, at this point, I trust my life to that.

262

00:17:10,220 --> 00:17:11,220

Hey, check it out.

263

00:17:11,220 --> 00:17:15,220

My ten roll single pull duct tape cable maker.

264

00:17:15,220 --> 00:17:16,220

Now that seems to work.

265

00:17:16,220 --> 00:17:21,220

I mean, a lot of different ways you could do it, but six or one half dozen the other, huh?

266

00:17:21,220 --> 00:17:22,220

Yeah.

267

00:17:24,220 --> 00:17:30,220

With Adam basking in Jamie's effusive admiration, they measure out the required distance.

268

00:17:30,220 --> 00:17:33,220

Okay, that's 104 feet to right here.

269

00:17:33,220 --> 00:17:37,220

And get down to some serious bridge building, starting with the floor.

270

00:17:37,220 --> 00:17:39,220

Looks like we're making the world's biggest sweater.

271

00:17:40,220 --> 00:17:41,220

Yeah.

272

00:17:42,220 --> 00:17:43,220

Whoo.

273

00:17:44,220 --> 00:17:45,220

Hold on, hold on.

274

00:17:47,220 --> 00:17:48,220

That's a workout.

275

00:17:52,220 --> 00:17:53,220

Yeah.

276

00:17:54,220 --> 00:17:55,220

That's number five.

277

00:17:55,220 --> 00:17:56,220

Let's bind them together.

278

00:17:57,220 --> 00:18:03,220

Those five strands, each one, ten layers thick, are stuck together to form a narrow walkway.

279

00:18:03,220 --> 00:18:07,220

It may not look like much, but it might just save my life.

280

00:18:09,220 --> 00:18:13,220

Next, Jamie produces a pair of handrails with a twist.

281

00:18:14,220 --> 00:18:15,220

Perfect.

282

00:18:15,220 --> 00:18:17,220

The rope-like cable should give them a good grip.

283

00:18:17,220 --> 00:18:21,220

I like the way that it seems kind of nice to hold onto.

284

00:18:21,220 --> 00:18:22,220

Yeah, I totally agree.

285

00:18:22,220 --> 00:18:25,220

That's ten strands.

286

00:18:25,220 --> 00:18:30,220

With the walkway, handrails, and stabilizing rails complete, they're all set.

287

00:18:31,220 --> 00:18:34,220

That's the great thing about a duct tape bridge.

288

00:18:34,220 --> 00:18:35,220

It's so portable.

289

00:18:35,220 --> 00:18:37,220

Just fold and roll.

290

00:18:37,220 --> 00:18:38,220

That's not bad.

291

00:18:38,220 --> 00:18:40,220

Shall we go build a bridge with it?

292

00:18:40,220 --> 00:18:41,220

I think so.

293

00:18:41,220 --> 00:18:42,220

Okay.

294

00:18:46,220 --> 00:18:49,220

It's the Mythbusters second duct tape special.

295

00:18:53,220 --> 00:18:55,220

Alright, Carrie, why do you look so happy?

296

00:18:55,220 --> 00:18:57,220

Because I love the next duct tape myth.

297

00:18:57,220 --> 00:18:58,220

And what is that?

298

00:18:58,220 --> 00:19:00,220

Well, this was sent in by tons of viewers.

299

00:19:00,220 --> 00:19:03,220

It's that you can stop a car using only duct tape.

300

00:19:03,220 --> 00:19:04,220

What?

301

00:19:04,220 --> 00:19:07,220

Well, the beauty of this is there's two parts of this myth.

302

00:19:07,220 --> 00:19:09,220

The first one is based on a practical joke.

303

00:19:09,220 --> 00:19:13,220

That you can duct tape a car to a telephone pole, and it won't go anywhere.

304

00:19:13,220 --> 00:19:17,220

Technically not stopping a car, but actually preventing it from moving.

305

00:19:17,220 --> 00:19:18,220

Well, technically.

306

00:19:18,220 --> 00:19:21,220

But the second part of this is definitely stopping a car.

307

00:19:21,220 --> 00:19:24,220

It's that you can use one roll of duct tape, build a barrier,

308

00:19:24,220 --> 00:19:27,220

and catch a car going 60 miles an hour.

309

00:19:27,220 --> 00:19:29,220

Now that one I like.

310

00:19:29,220 --> 00:19:30,220

Right?

311

00:19:30,220 --> 00:19:31,220

Right.

312

00:19:31,220 --> 00:19:35,220

The first part of this myth is a prank par excellence.

313

00:19:35,220 --> 00:19:39,220

A devious dude duct tapes his friend's car to a pole.

314

00:19:39,220 --> 00:19:43,220

The victim steps on the gas, but can't escape the grip of the tape.

315

00:19:43,220 --> 00:19:47,220

We all know if we use enough duct tape, you can pretty much stick anything to a pole.

316

00:19:47,220 --> 00:19:50,220

I think the whole point of this is see how we can keep the car stationary

317

00:19:50,220 --> 00:19:52,220

with the least amount of duct tape.

318

00:19:52,220 --> 00:19:56,220

All they need for this one is a car and a convenient pole.

319

00:19:56,220 --> 00:19:58,220

We're not supposed to destroy this one.

320

00:19:58,220 --> 00:20:02,220

That is the last time we car pull together.

321

00:20:02,220 --> 00:20:09,220

Thanks to Adam's earlier test, the team already knows the breaking point of a single strand of

tape.

322

00:20:09,220 --> 00:20:13,220

67.3 pounds of force to break it.

323

00:20:13,220 --> 00:20:16,220

All they have to do is determine the car's pulling power.

324

00:20:16,220 --> 00:20:20,220

And work out how much tape it'll take to counter that force.

325

00:20:20,220 --> 00:20:24,220

What we're going to do is get the force meter, strap it to the car, and attach it to the pole.

326

00:20:24,220 --> 00:20:26,220

Then Grant's going to drive forward.

327

00:20:26,220 --> 00:20:29,220

At the point it stops moving forward.

328

00:20:29,220 --> 00:20:32,220

That is how much force this car pulls with.

329

00:20:32,220 --> 00:20:35,220

Okay, that's 1,300 pounds.

330

00:20:35,220 --> 00:20:37,220

It maxed at 1,300.

331

00:20:37,220 --> 00:20:38,220

Let's do the math.

332

00:20:38,220 --> 00:20:40,220

The car pulls 1,300 pounds.

333

00:20:40,220 --> 00:20:43,220

One strand of duct tape breaks at 67 pounds.

334

00:20:43,220 --> 00:20:50,220

So in theory, wrapping the car 20 times should be just enough to stop it driving away.

335

00:20:50,220 --> 00:20:52,220

I think we just go for 20 and see if it'll work.

336

00:20:52,220 --> 00:20:55,220

You know, I think this duct tape might actually stop this car.

337

00:20:55,220 --> 00:20:59,220

Tori and Carrie play a prank for science, you understand.

338

00:20:59,220 --> 00:21:02,220

Hey you kids, what are you doing to my car?

339

00:21:04,220 --> 00:21:12,220

I have the sneaking suspicion that there are going to be prankster victims everywhere that are going to be blaming mythbusters for this myth being true.

340

00:21:12,220 --> 00:21:20,220

And so we say, in the vain hope of pranksters paying the slightest attention, please don't try this at home.

341

00:21:20,220 --> 00:21:21,220

What's this?

342

00:21:21,220 --> 00:21:23,220

In case pole falls on your head.

343

00:21:23,220 --> 00:21:26,220

Okay, Grant, time to rev up this myth.

344

00:21:26,220 --> 00:21:28,220

Wow.

345

00:21:28,220 --> 00:21:29,220

Wow.

346

00:21:29,220 --> 00:21:30,220

It's 100 RPM.

347

00:21:30,220 --> 00:21:31,220

It's 2,000.

348

00:21:31,220 --> 00:21:37,220

We're getting a few breaks there, but it's actually holding the car in place.

349

00:21:37,220 --> 00:21:38,220

Tori!

350

00:21:39,220 --> 00:21:41,220

Woohoo!

351

00:21:43,220 --> 00:21:45,220

He stopped the car, we're catching it.

352

00:21:45,220 --> 00:21:46,220

Yes!

353

00:21:46,220 --> 00:21:48,220

That's incredible.

354

00:21:48,220 --> 00:21:50,220

With a sweat please, let's talk about this.

355

00:21:50,220 --> 00:21:52,220

I think it's confirmed.

356

00:21:54,220 --> 00:21:59,220

Just five rolls of tape were enough to keep the car in its pole position.

357

00:21:59,220 --> 00:22:01,220

One strand broke, that was it.

358

00:22:01,220 --> 00:22:02,220

Look at that.

359

00:22:02,220 --> 00:22:05,220

I cannot believe this myth is confirmed.

360

00:22:05,220 --> 00:22:06,220

Confirmed!

361

00:22:06,220 --> 00:22:07,220

Woohoo!

362

00:22:07,220 --> 00:22:08,220

Yeah!

363

00:22:08,220 --> 00:22:09,220

Confirmed!

364

00:22:09,220 --> 00:22:10,220

Woohoo!

365

00:22:24,220 --> 00:22:28,220

Adam and Jamie are rolling out their duct tape bridge.

366

00:22:28,220 --> 00:22:30,220

These five strips of duct tape are our bridge.

367

00:22:30,220 --> 00:22:34,220

We've got our walkway, we've got two hand rails and two stabilizing rails.

368

00:22:34,220 --> 00:22:37,220

Why are we hooking them up to these trucks?

369

00:22:37,220 --> 00:22:41,220

Well we think this stuff is going to stretch, and if it stretches, it droops, and we can't

370

00:22:41,220 --> 00:22:42,220

have that.

371

00:22:42,220 --> 00:22:46,720

So we're going to pre-assemble it up here on the trucks and pre-stretch it before we put

372

00:22:46,720 --> 00:22:48,220

it across the span.

373

00:22:48,220 --> 00:22:54,420

They'll attach the walkway, hand rails and stabilizing ropes to heavy duty steel anchor

374

00:22:54,420 --> 00:22:55,420

points.

375

00:22:55,420 --> 00:23:00,720

When it comes time to walk, those frames will anchor either end of the bridge and help keep

376

00:23:00,720 --> 00:23:03,220

the duct tape under tension.

377

00:23:03,220 --> 00:23:07,220

Stretching the duct tape should prevent any sudden sag.

378

00:23:07,220 --> 00:23:14,220

With the bridge suspended between the pickups, Adam and Jamie go through their pre-walk stretching

379

00:23:14,220 --> 00:23:15,220

routine.

380

00:23:15,220 --> 00:23:19,220

I think this is going to work!

381

00:23:26,220 --> 00:23:32,220

As he pulls, taught the tape, Adam ponders life as the yin to Jamie's yang.

382

00:23:32,220 --> 00:23:36,720

People always wonder what it's like for me and Jamie to work together, and this is actually

383

00:23:36,720 --> 00:23:37,720

a really good example.

384

00:23:37,720 --> 00:23:41,620

You can see us both working on the bridge, we're not talking to each other, we actually

385

00:23:41,620 --> 00:23:45,620

haven't had very much of a discussion at all about what we're supposed to do, but we understand

386

00:23:45,620 --> 00:23:49,220

really clearly internally and we understand the other understands really clearly internally

387

00:23:49,220 --> 00:23:52,220

what is to be done, and we're just doing it.

388

00:23:52,220 --> 00:23:54,220

Getting hard, did it, Paul?

389

00:23:54,220 --> 00:23:55,220

Yep.

390

00:23:55,220 --> 00:23:56,220

Good.

391

00:23:56,220 --> 00:24:00,220

While Adam's been waxing lyrical, Jamie spotted a slight problem.

392

00:24:00,220 --> 00:24:03,220

Stretching this bridge is turning out to be a little trickier than we thought.

393

00:24:03,220 --> 00:24:07,220

The different components are stretching at different rates under different loads.

394

00:24:07,220 --> 00:24:11,220

We're just going to do the best we can and hope that it works.

395

00:24:15,220 --> 00:24:18,220

When they take their first few practice steps...

396

00:24:18,220 --> 00:24:21,220

That's kind of how you used to go to grade school, right?

397

00:24:21,220 --> 00:24:24,220

I don't want to do that.

398

00:24:24,220 --> 00:24:27,220

It's immediately clear they're going to need more tape.

399

00:24:27,220 --> 00:24:28,220

Oh my gosh.

400

00:24:28,220 --> 00:24:33,220

Yeah, I think we do want to add in some stringers between these things on the floor.

401

00:24:33,220 --> 00:24:37,220

Because you could be all like, whoa, good done, you're much more than me.

402

00:24:37,220 --> 00:24:38,220

Dude.

403

00:24:38,220 --> 00:24:41,220

Whoa, yeah, see, I... whoa.

404

00:24:41,220 --> 00:24:42,220

Whoa.

405

00:24:42,220 --> 00:24:43,220

Whoa.

406

00:24:43,220 --> 00:24:44,220

Whoa.

407

00:24:44,220 --> 00:24:45,220

Whoa.

408

00:24:45,220 --> 00:24:52,220

This is going to be terrifying.

409

00:24:52,220 --> 00:24:57,220

Duck tape crust ruts between the walkway and handrails will minimize wobble.

410

00:24:57,220 --> 00:25:02,220

And with those last-minute structural improvements, the bridge is ready to go.

411

00:25:02,220 --> 00:25:07,220

196 rolls of duck tape, almost 400 pounds of the stuff,

412

00:25:07,220 --> 00:25:10,220

and our bridge is pretty much ready to string across the chasm.

413

00:25:10,220 --> 00:25:14,220

Now, I've marked the midpoint here because, in my opinion,

414

00:25:14,220 --> 00:25:17,220

it's once we pass this point that I think we're home free.

415

00:25:17,220 --> 00:25:22,220

See, this point being the farthest from both ends is actually where this bridge could cause us the most trouble.

416

00:25:22,220 --> 00:25:27,220

And it could possibly turn turtle and flip us over when we get here.

417

00:25:27,220 --> 00:25:32,220

Getting the preassembled bridge across the chasm is a feat in itself.

418

00:25:32,220 --> 00:25:37,220

They lower one end into the dry dock, haul it 100 feet to the other side,

419

00:25:37,220 --> 00:25:41,220

then use some heavy machinery to do some heavy lifting,

420

00:25:41,220 --> 00:25:44,220

all without damaging the duck tape.

421

00:25:44,220 --> 00:25:47,220

It's one thing to see it on the ground.

422

00:25:47,220 --> 00:25:51,220

Quite another, watching it go up across the chasm.

423

00:25:51,220 --> 00:25:56,220

Not many people know that Jamie has actually performed surgery with a forklift.

424

00:25:56,220 --> 00:26:05,220

With the Edgar Points Lockdown, Adam and Jamie finally bridge the gap between duck tape fantasy and duck tape reality.

425

00:26:05,220 --> 00:26:07,220

You know what that is, my friend?

426

00:26:07,220 --> 00:26:09,220

That's a bridge.

427

00:26:09,220 --> 00:26:11,220

That is a bridge.

428

00:26:11,220 --> 00:26:13,220

Ha ha ha!

429

00:26:17,220 --> 00:26:23,220

It's always a good day for us when we're able to use tools and materials in ways for which they were never intended.

430

00:26:23,220 --> 00:26:31,220

And a duck tape bridge, well, I daresay the guy that invented this stuff had no intent whatsoever to use it to make bridges with.

431

00:26:31,220 --> 00:26:35,220

Will it work? There's only one way to find out.

432

00:26:38,220 --> 00:26:40,220

Don't try anything you've seen on the show at home.

433

00:26:40,220 --> 00:26:42,220

You're what you're called? Experts.

434

00:26:44,220 --> 00:26:49,220

Just five rolls of duck tape can keep a car parked.

435

00:26:49,220 --> 00:26:55,220

Now Grant, Tori and Carrie want to supersize this automotive myth.

436

00:26:55,220 --> 00:26:59,220

How crazy is this myth that you can catch a car using a single roll of duck tape?

437

00:26:59,220 --> 00:27:01,220

Yeah, that does seem a little ridiculous.

438

00:27:01,220 --> 00:27:04,220

But I mean, you saw how well it held the car together when you were driving around like a maniac.

439

00:27:04,220 --> 00:27:07,220

Maybe we just wrap it around two telephone poles.

440

00:27:07,220 --> 00:27:11,220

Is this car going 60? I have seen crazier things on this show. Let's do it.

441

00:27:15,220 --> 00:27:21,220

Telephone poles are few and far between out here, so they'll use something a little more concrete.

442

00:27:21,220 --> 00:27:26,220

We're setting up K-Rail in an arrow formation. This is going to serve two purposes.

443

00:27:26,220 --> 00:27:35,220

One, it's going to hold our single roll of duck tape car catcher, as well as serve as a barrier for anything that may go out of control.

444

00:27:35,220 --> 00:27:42,220

The tape is wound around half inch thick steel rods, forming a single strand, five layers thick.

445

00:27:42,220 --> 00:27:48,220

And at this point, this fan fable doesn't just look dubious, it looks patently ridiculous.

446

00:27:48,220 --> 00:27:50,220

And then some.

447

00:27:50,220 --> 00:27:56,220

Duck tape can do a lot of things, but stopping a car at 60 miles an hour with one roll, I seriously doubt it.

448

00:27:56,220 --> 00:27:58,220

Ready to put your life on the line for science?

449

00:27:58,220 --> 00:28:01,220

Oh, I'm ready. Do we really need help at some?

450

00:28:01,220 --> 00:28:04,220

Yes. I'm going to go watch from a safe place.

451

00:28:06,220 --> 00:28:08,220

Okay, I'm ready. Are you in position?

452

00:28:08,220 --> 00:28:09,220

Stand by.

453

00:28:10,220 --> 00:28:13,220

Okay, this is single roll of duck tape. On your go.

454

00:28:13,220 --> 00:28:15,220

Okay, here we go.

455

00:28:15,220 --> 00:28:17,220

Tori hits the gas.

456

00:28:19,220 --> 00:28:22,220

The car hits the duck tape.

457

00:28:23,220 --> 00:28:26,220

And the myth hits the mechadam.

458

00:28:26,220 --> 00:28:29,220

Okay, so maybe you didn't need the helmets.

459

00:28:29,220 --> 00:28:32,220

I didn't even get up to 60 miles an hour. That was like 40.

460

00:28:32,220 --> 00:28:34,220

Oh well. I can't believe it, bro.

461

00:28:34,220 --> 00:28:36,220

We couldn't stop a car with a single roll of duck tape.

462

00:28:36,220 --> 00:28:39,220

All right, well, let's do what we do on this show and supersize it.

463

00:28:39,220 --> 00:28:43,220

Yeah, but I mean, we could build a wall 10 feet thick with duck tape, and that should stop a car.

464

00:28:43,220 --> 00:28:45,220

I mean, where do we draw the line?

465

00:28:45,220 --> 00:28:48,220

Well, that's kind of totally impractical. Let's see what we could do in a day.

466

00:28:48,220 --> 00:28:50,220

I mean, maybe 100 rolls of duck tape.

467

00:28:50,220 --> 00:28:53,220

All right, sounds great. So this is how we're going to do it.

468

00:28:53,220 --> 00:28:58,220

We have two pipes on either side here, and we're going to wrap the duck tape around it until it's thick enough

469

00:28:58,220 --> 00:29:01,220

to the point where we think it's going to stop the car.

470

00:29:04,220 --> 00:29:10,220

Back at Alameda, they've got a solid wall three inches thick, made from 100 rolls of duck tape.

471

00:29:10,220 --> 00:29:13,220

Well, that is one thick wall of duck tape.

472

00:29:16,220 --> 00:29:21,220

No one's willing to drive into this duck tape barrier, so they've got a plan.

473

00:29:21,220 --> 00:29:24,220

Now, in order to get the car to hit the barrier, we're going to tow it.

474

00:29:24,220 --> 00:29:29,220

And Tori's made a tow bar that's going to keep the car going in exactly the direction we want it to go.

475

00:29:29,220 --> 00:29:35,220

Now, at the bottom of the wall, right dead center is a steel plate, and connected to that plate is a pulley.

476

00:29:35,220 --> 00:29:40,220

The tow cable is going to go through that pulley so that as we tow the car towards the barrier,

477

00:29:40,220 --> 00:29:45,220

it's going to want to center right on that pulley and aim right for the wall.

478

00:29:45,220 --> 00:29:49,220

And just in case the cable comes loose, the car goes AWOL.

479

00:29:49,220 --> 00:29:51,220

How I've missed you so.

480

00:29:51,220 --> 00:29:54,220

Grants brought along an old friend.

481

00:29:55,220 --> 00:29:59,220

What this radio is doing is sending a signal to a receiver on the roof.

482

00:29:59,220 --> 00:30:02,220

The receiver on the roof controls a solenoid valve down here.

483

00:30:02,220 --> 00:30:05,220

A solenoid valve provides air to this cylinder.

484

00:30:05,220 --> 00:30:12,220

Now, when I turn this off, it actually takes the foot off the brake and allows the car to roll.

485

00:30:12,220 --> 00:30:17,220

When I go safe, it deploys the brake automatically and the car stops.

486

00:30:17,220 --> 00:30:20,220

With the car under Grants control, they're good to go.

487

00:30:20,220 --> 00:30:23,220

It's got the car right here. It's running. The brakes are on.

488

00:30:23,220 --> 00:30:27,220

All they need to do is flip this switch and it disengages the brakes and it's ready to go.

489

00:30:27,220 --> 00:30:36,220

And at that point, the tow vehicle will hit the accelerator, pulling that car down the track through the pulley system, headed straight for our wall duct tape.

490

00:30:36,220 --> 00:30:39,220

Alright, here we go. Carried brake is off.

491

00:30:39,220 --> 00:30:43,220

He's into it in three, two, one, go.

492

00:30:43,220 --> 00:30:50,220

Here it comes.

493

00:30:50,220 --> 00:30:55,220

The pickup picks up speed. 60 miles per hour.

494

00:30:55,220 --> 00:30:59,220

The test car hurdles towards a date with duct tape destiny.

495

00:30:59,220 --> 00:31:06,220

But at the last second, the experiment hits a bit of a snag.

496

00:31:06,220 --> 00:31:17,220

Somehow, the car hit everything except the wall of duct tape. What happened?

497

00:31:17,220 --> 00:31:25,220

I thought I saw the tow cable slip off of the guide car, but it was just a car length before the K-rails.

498

00:31:25,220 --> 00:31:30,220

The cable came through so late, Grant didn't even have time to hit the brakes.

499

00:31:30,220 --> 00:31:34,220

But there is some good news. The duct tape barrier is undamaged.

500

00:31:34,220 --> 00:31:42,220

So we are going to go back, we're going to take this failure, figure out how to fix it, and we're going to try it again because we are not giving up here.

501

00:31:42,220 --> 00:31:45,220

Looking great. Right on target.

502

00:31:45,220 --> 00:31:52,220

Still ahead, more duct tape demolition.

503

00:31:52,220 --> 00:31:58,220

Carrie, Tori and Grant want to see if a duct tape super barrier can stop a speeding car.

504

00:31:58,220 --> 00:32:05,220

But on their first attempt, failure was the option.

505

00:32:05,220 --> 00:32:11,220

We lost the connection between our tow vehicle and this vehicle and it veered to the right and crashed.

506

00:32:11,220 --> 00:32:15,220

Now what we're going to do is just put a rope clip on there so it's not going to come off.

507

00:32:15,220 --> 00:32:19,220

We've moved our breakaway line up to the tow vehicle itself.

508

00:32:19,220 --> 00:32:25,220

So if anything gets caught in the pulley, that breakaway cable will break away and everybody will be safe.

509

00:32:25,220 --> 00:32:29,220

They're not about to let rain dampen their quest for duct tape data.

510

00:32:29,220 --> 00:32:30,220

Here we go.

511

00:32:30,220 --> 00:32:36,220

The test car is soon taxing down the runway with Tori and Grant in hot pursuit.

512

00:32:36,220 --> 00:32:39,220

It's caught it, it's caught it, it's caught it.

513

00:32:46,220 --> 00:32:50,220

That was awesome. Yeah.

514

00:32:51,220 --> 00:32:57,220

Once again, the car caught the K-rail, but it also wiped out the duct tape wall.

515

00:32:57,220 --> 00:33:02,220

So it looks like the duct tape wall wasn't strong enough to stop the car.

516

00:33:02,220 --> 00:33:03,220

Dude, check it.

517

00:33:03,220 --> 00:33:08,220

Oh no, the wall is still together.

518

00:33:08,220 --> 00:33:10,220

I think we've got a problem.

519

00:33:10,220 --> 00:33:12,220

It just broke away from the K-rail.

520

00:33:12,220 --> 00:33:16,220

You know what, I think we better take a look at the high speed and see what happened.

521

00:33:16,220 --> 00:33:23,220

The duct tape wall stayed intact and it ripped it out of the K-rail.

522

00:33:23,220 --> 00:33:24,220

I can't believe that.

523

00:33:24,220 --> 00:33:27,220

I mean, that's a huge amount of shock that absorbed right there.

524

00:33:27,220 --> 00:33:31,220

While the guys are absorbing the shock of another failed test,

525

00:33:31,220 --> 00:33:35,220

the fact that the wall is still in one piece after being hit by the car

526

00:33:35,220 --> 00:33:39,220

means this myth has a definite whiff of plausibility.

527

00:33:40,220 --> 00:33:51,220

We're about to find out if Jamie and Adam can walk the walk on the world's most unusual bridge.

528

00:33:51,220 --> 00:33:55,220

We have spanned a hundred foot chasm with nothing but duct tape.

529

00:33:55,220 --> 00:34:01,220

Soon we will take that long walk into duct tape history.

530

00:34:02,220 --> 00:34:05,220

And just in case that walk becomes a plunge,

531

00:34:05,220 --> 00:34:10,220

a crane-mounted safety rig will turn them into human tignatas.

532

00:34:10,220 --> 00:34:12,220

I'm having a great time.

533

00:34:12,220 --> 00:34:14,220

Here's the thing about the safety system.

534

00:34:14,220 --> 00:34:17,220

I know that this yo-yo fall arrestor will save my life,

535

00:34:17,220 --> 00:34:21,220

but if this bridge should fail and it has to save my life,

536

00:34:21,220 --> 00:34:25,220

I'm going to be swinging, I'm going to fall and get pulled up short.

537

00:34:25,220 --> 00:34:28,220

Either way, it's going to be terrifying and it's going to hurt.

538

00:34:28,220 --> 00:34:31,220

It's not just pride that makes me not want this bridge to fail.

539

00:34:31,220 --> 00:34:33,220

Our small-scale tests say it should hold.

540

00:34:33,220 --> 00:34:37,220

We've done the math, everything should be fine, but it's duct tape.

541

00:34:37,220 --> 00:34:39,220

What are you going to do?

542

00:34:39,220 --> 00:34:42,220

Adam's a little lighter than Jamie, so he's going first.

543

00:34:42,220 --> 00:34:45,220

It'll be less stress on the tape.

544

00:34:45,220 --> 00:34:51,220

Just remember, if you hear a ripping sound, run really fast for the other side.

545

00:34:51,220 --> 00:34:52,220

Thanks for nothing.

546

00:34:52,220 --> 00:34:53,220

Good luck.

547

00:34:53,220 --> 00:34:54,220

Thanks.

548

00:34:55,220 --> 00:34:57,220

Here we go.

549

00:34:57,220 --> 00:35:04,220

Nearly 200 rolls of duct tape, a 50-foot drop, and one 175-pound myth buster.

550

00:35:04,220 --> 00:35:06,220

All for the glory.

551

00:35:06,220 --> 00:35:07,220

All right.

552

00:35:07,220 --> 00:35:09,220

Here we go.

553

00:35:11,220 --> 00:35:12,220

Oh.

554

00:35:17,220 --> 00:35:18,220

Oh.

555

00:35:19,220 --> 00:35:22,220

Hey, I don't mind saying I'm kind of freaked out.

556

00:35:22,220 --> 00:35:23,220

Oh.

557

00:35:23,220 --> 00:35:28,220

All right, it feels pretty solid and it's not hard for me to stay upright.

558

00:35:28,220 --> 00:35:30,220

The handles are working just great.

559

00:35:30,220 --> 00:35:33,220

My heart's beating about 175 times a minute though.

560

00:35:33,220 --> 00:35:34,220

Whoa.

561

00:35:36,220 --> 00:35:40,220

People walk on bridges like this every day?

562

00:35:40,220 --> 00:35:42,220

This is terrifying.

563

00:35:42,220 --> 00:35:46,220

Nearing the middle of the bridge, he enters the real danger zone.

564

00:35:46,220 --> 00:35:51,220

This is where the duct tapes most likely to fail and flip Adam into thin air.

565

00:35:51,220 --> 00:35:53,220

I'm passing halfway.

566

00:35:53,220 --> 00:35:57,220

So I've passed the danger of turtling.

567

00:35:57,220 --> 00:35:59,220

Oh, dude.

568

00:35:59,220 --> 00:36:01,220

This is rough.

569

00:36:03,220 --> 00:36:05,220

You've got about 10 feet to go.

570

00:36:05,220 --> 00:36:07,220

Oh, now it feels much more stable.

571

00:36:07,220 --> 00:36:09,220

Now I feel okay.

572

00:36:09,220 --> 00:36:14,220

Two and a half minutes after starting out, Adam sets foot on solid ground.

573

00:36:14,220 --> 00:36:16,220

Hey, good to see you.

574

00:36:16,220 --> 00:36:19,220

Oh, land feels good.

575

00:36:19,220 --> 00:36:21,220

Good land, good solid ground.

576

00:36:21,220 --> 00:36:23,220

It's another world first.

577

00:36:23,220 --> 00:36:29,220

He's just crossed a hundred foot chasm on a bridge made of duct tape.

578

00:36:29,220 --> 00:36:35,220

I wouldn't have called this, but I actually felt quite stable out at the center and for the first 15 or 20 feet.

579

00:36:35,220 --> 00:36:42,220

But the first third and the last third were really the roughest patch where the thing moves around a lot more than feels good.

580

00:36:42,220 --> 00:36:44,220

All right, your turn.

581

00:36:44,220 --> 00:36:48,220

Jamie steadies himself to make the return journey.

582

00:36:48,220 --> 00:36:50,220

Adam found it terrifying.

583

00:36:50,220 --> 00:36:56,220

I'm going to find it a lot worse than terrifying because I really don't like heights.

584

00:36:56,220 --> 00:37:00,220

His slightly heavier frame will put added stress on the duct tape.

585

00:37:00,220 --> 00:37:02,220

Oh, gosh.

586

00:37:02,220 --> 00:37:03,220

Here we go.

587

00:37:03,220 --> 00:37:09,220

And as soon as he puts his best foot forward, it's clear this won't be a smooth crossing.

588

00:37:09,220 --> 00:37:12,220

Now I know what it feels like to be a spider.

589

00:37:12,220 --> 00:37:16,220

Or maybe is it a bug in a spider web?

590

00:37:19,220 --> 00:37:22,220

That really is quite hairy.

591

00:37:25,220 --> 00:37:30,220

A third of the way across and Jamie's struggling to maintain his balance.

592

00:37:34,220 --> 00:37:42,220

This wiggling around is kind of something I don't want to be doing.

593

00:37:48,220 --> 00:37:50,220

Honestly, I'm not sure he's going to make it.

594

00:37:50,220 --> 00:37:54,220

Both Jamie and the bridge are teetering on the brink of failure.

595

00:37:54,220 --> 00:37:57,220

Now there's more ripped tape.

596

00:38:07,220 --> 00:38:13,220

Tori, Grant and Kerry are hoping it'll be third time lucky for their duct tape roadblock.

597

00:38:13,220 --> 00:38:17,220

It's the same setup with one or two heavy duty add-ons.

598

00:38:17,220 --> 00:38:23,220

We have shackles rated at 30,000 pounds connecting our duct tape barrier to our K-Rail.

599

00:38:23,220 --> 00:38:25,220

This should do the job.

600

00:38:25,220 --> 00:38:32,220

With Tori's tow bar and Grant's RC braking system good to go, car number three is ready for takeoff.

601

00:38:32,220 --> 00:38:33,220

All right, Grant, you ready?

602

00:38:33,220 --> 00:38:34,220

I'm ready.

603

00:38:34,220 --> 00:38:36,220

Okay, brake is off. Here we go.

604

00:38:36,220 --> 00:38:41,220

In three, two, one, hit it.

605

00:38:42,220 --> 00:38:46,220

Good, got a good start. Just getting up good speed.

606

00:38:46,220 --> 00:38:47,220

Tori.

607

00:38:47,220 --> 00:38:49,220

Kerry picks up the pace.

608

00:38:49,220 --> 00:38:51,220

Looking great. Right on target.

609

00:38:51,220 --> 00:38:52,220

Really good, really good.

610

00:38:52,220 --> 00:38:55,220

Oh, we're going to do it this time, dude.

611

00:38:55,220 --> 00:38:56,220

This is it.

612

00:38:57,220 --> 00:38:59,220

Pulls off.

613

00:39:01,220 --> 00:39:03,220

The car hit the duct tape dead off.

614

00:39:05,220 --> 00:39:06,220

Yeah!

615

00:39:06,220 --> 00:39:09,220

That was worth all that suffering.

616

00:39:10,220 --> 00:39:11,220

Wow.

617

00:39:11,220 --> 00:39:13,220

Oh my gosh.

618

00:39:13,220 --> 00:39:15,220

Look at that.

619

00:39:15,220 --> 00:39:17,220

That was right through.

620

00:39:17,220 --> 00:39:20,220

What would you say? Three inches? Two and a half inches of duct tape?

621

00:39:20,220 --> 00:39:21,220

Easily.

622

00:39:21,220 --> 00:39:23,220

Oh, that's three inches for sure.

623

00:39:23,220 --> 00:39:26,220

But the duct tape didn't give up without a fight.

624

00:39:26,220 --> 00:39:30,220

Despite being hit with a force totaling nearly 300,000 foot-pounds,

625

00:39:30,220 --> 00:39:36,220

the barrier still stretched like a piece of elastic before finally snapping.

626

00:39:37,220 --> 00:39:41,220

The wall stretched four to six feet before it gave up.

627

00:39:41,220 --> 00:39:45,220

Just like it's supposed to all that time, absorbing energy.

628

00:39:45,220 --> 00:39:48,220

Still an amazing product, but nope.

629

00:39:48,220 --> 00:39:49,220

Not able to stop the car.

630

00:39:49,220 --> 00:39:54,220

Now sure we could have made one that was two feet thick, but let's face it,

631

00:39:54,220 --> 00:39:58,220

we bust up the K-rail and that stuff is made to stop cars.

632

00:39:58,220 --> 00:39:59,220

Looks like this one's busted.

633

00:39:59,220 --> 00:40:02,220

We found something duct tape finally can't do.

634

00:40:07,220 --> 00:40:08,220

Man.

635

00:40:08,220 --> 00:40:11,220

We got enough duct tape left over to fix that thing.

636

00:40:17,220 --> 00:40:20,220

Meanwhile, Jamie's trapped in a nightmare.

637

00:40:20,220 --> 00:40:24,220

He's finding out the hard way that one of duct tape's main features,

638

00:40:24,220 --> 00:40:29,220

its elasticity, isn't so great when you're 50 feet off the ground.

639

00:40:32,220 --> 00:40:35,220

Every movement triggers more vibration.

640

00:40:35,220 --> 00:40:38,220

It's taking all his strength just to stay upright.

641

00:40:38,220 --> 00:40:40,220

I'm going to sit here and rest a second.

642

00:40:40,220 --> 00:40:41,220

Okay.

643

00:40:42,220 --> 00:40:45,220

Despite pre-stretching, the tape's losing tension,

644

00:40:45,220 --> 00:40:49,220

and he hasn't even made it to the perilous midpoint.

645

00:40:49,220 --> 00:40:51,220

Man, you passed the halfway point.

646

00:40:52,220 --> 00:40:53,220

Is that all?

647

00:40:53,220 --> 00:40:56,220

It feels like I've been going for a while.

648

00:40:59,220 --> 00:41:01,220

I don't mind saying I'm hyperventilating.

649

00:41:01,220 --> 00:41:06,220

The bridge is so unstable, he must inch his way to safety.

650

00:41:11,220 --> 00:41:14,220

It's taken him four times longer than Adam,

651

00:41:14,220 --> 00:41:18,220

but Jamie finally makes it back to Terra Ferma.

652

00:41:18,220 --> 00:41:20,220

Ladies and gentlemen, they are made of brass.

653

00:41:20,220 --> 00:41:22,220

James Heineman, congratulations!

654

00:41:24,220 --> 00:41:26,220

That is absolutely awful.

655

00:41:26,220 --> 00:41:28,220

That's really saying something.

656

00:41:28,220 --> 00:41:32,220

Given the other fears he's faced in the name of myth-busting.

657

00:41:32,220 --> 00:41:34,220

I've been buried alive.

658

00:41:34,220 --> 00:41:37,220

I've been charged by great white sharks.

659

00:41:37,220 --> 00:41:42,220

This thing here is terrifying in a totally different way.

660

00:41:44,220 --> 00:41:47,220

It's not so bad walking across something like this,

661

00:41:47,220 --> 00:41:49,220

just like going over the heights with it.

662

00:41:49,220 --> 00:41:53,220

The problem is that you're just on the verge

663

00:41:53,220 --> 00:41:56,220

when you get a little ways out into it of,

664

00:41:57,220 --> 00:41:59,220

like, losing balance.

665

00:41:59,220 --> 00:42:02,220

It's like there's nothing solid to hold on to.

666

00:42:03,220 --> 00:42:09,220

So, you know, walking across it is this constant, intense correction

667

00:42:09,220 --> 00:42:14,220

to try and dampen out the wiggly waves that you're setting up on these ropes.

668

00:42:14,220 --> 00:42:19,220

Viewing both walks, it's clear Adam was on a much firmer footing.

669

00:42:19,220 --> 00:42:22,220

So why was the bridge so wobbly for me?

670

00:42:22,220 --> 00:42:25,220

Could be me, could be the material, though.

671

00:42:25,220 --> 00:42:28,220

We do know that it stretches out quite a bit under a load,

672

00:42:28,220 --> 00:42:31,220

and Adam did in fact put a load on it.

673

00:42:31,220 --> 00:42:33,220

One way or another, it worked,

674

00:42:33,220 --> 00:42:36,220

but it's not an ideal material for a bridge.

675

00:42:40,220 --> 00:42:42,220

I gotta say I'm pretty impressed with this stuff.

676

00:42:42,220 --> 00:42:46,220

It's a bridge, it's a rope, it can shoot, it can float.

677

00:42:46,220 --> 00:42:50,220

Just two sides and infinite possibilities.

678

00:42:51,220 --> 00:42:54,220

Burd it. Is there anything Ducktip can't do?

679

00:42:54,220 --> 00:42:57,220

Two episodes and counting? Almost nothing.

680

00:42:57,220 --> 00:42:59,220

You know we're far from finished,

681

00:42:59,220 --> 00:43:02,220

we're going to find crazier crap to do with this stuff.

682

00:43:02,220 --> 00:43:05,220

Yeah, but that's another episode. Let's go.

683

00:43:05,220 --> 00:43:06,220

Alright.

684

00:43:09,220 --> 00:43:11,220

I think we need to get airborne with this stuff.

685

00:43:11,220 --> 00:43:13,220

Absolutely.

686

00:43:21,220 --> 00:43:23,220

Want more?

687

00:43:23,220 --> 00:43:26,220

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