01 — THE BENCHMARK

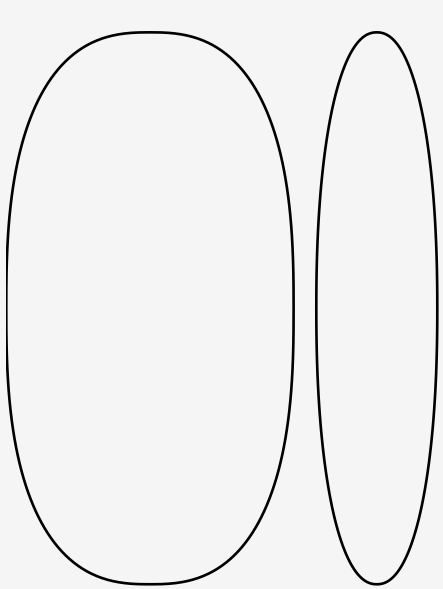
Tesla vs Raily

PHOTO · NOT TO SCALE

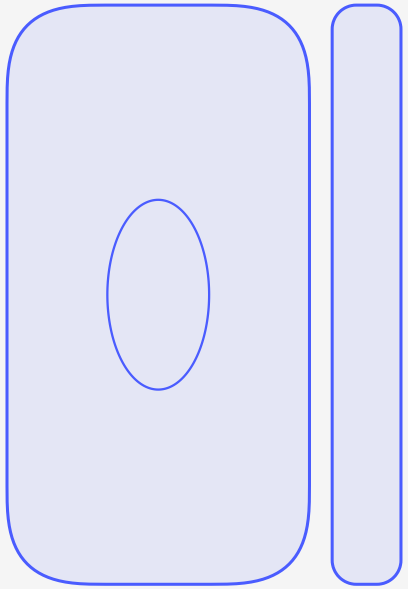
1.8×

thinner than the Tesla key.
Same footprint.

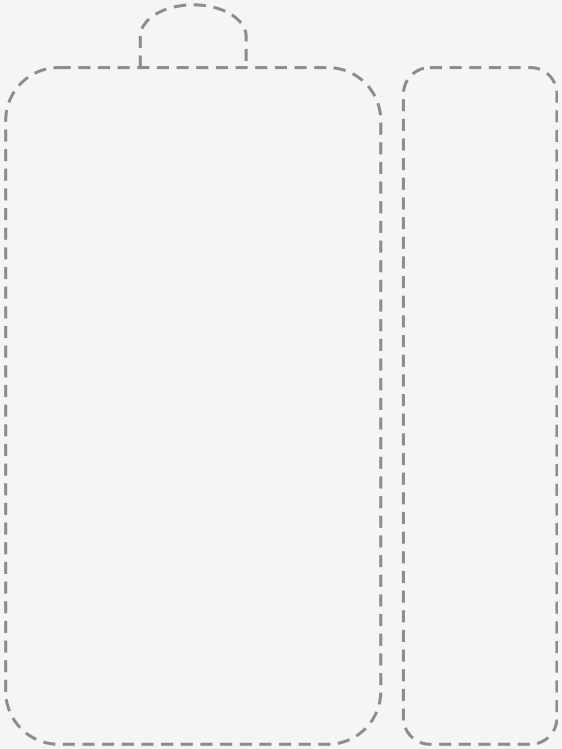
Keyring Air: 16 to 9.1 mm thick.
Keyring P1: 11.6 mm wider, 16.5 mm longer, 4.3 mm thicker than Tesla.



Tesla Model 3/Y key fob*
38.0 × 73.0 × 16.0 mm*



Keyring Air
40.0 × 76.6 × 9.1 mm



Keyring P1 (DIY)
49.6 × 89.5 × 20.3 mm

	● TESLA*	● KEYRING AIR	● KEYRING P1
WIDTH	38.0*	40.0 +2.0	49.6 +11.6
LENGTH	73.0*	76.6 +3.6	89.5 +16.5 97.8 with loop
THICKNESS	16.0*	9.1 -6.9	20.3 +4.3

MM · DIFFERENCE VS TESLA · - = RAILY IS SMALLER

50 MM · OUTLINES 1:1, TRUE SIZE · PRINT AT 100 %

* ESTIMATE — TESLA PUBLISHES NO FOB SIZE (TMC FORUM)

02 — KEYRING P1 AGAINST BIGGER THINGS

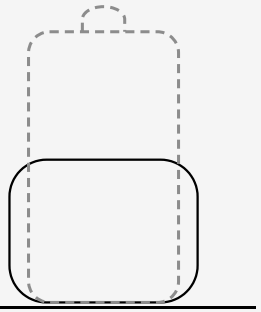
Keyring P1 vs bigger things

Keyring P1 (DIY): 49.6 × 89.5 × 20.3 mm, 97.8 with the loop.

---- KEYRING P1 —— OBJECT W · L · T = RAILY − OBJECT, MM, AS DRAWN − = RAILY IS SMALLER

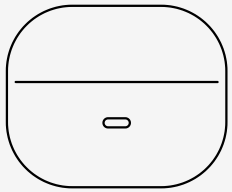
AirPods Pro 3 case

62.2 × 47.2 × 21.8 mm



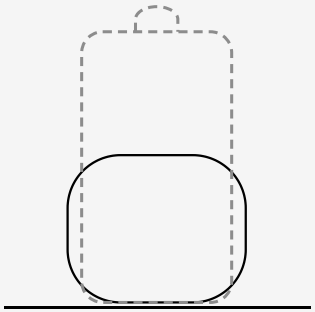
W	−12.6
L	+42.3
T	−1.5

Taller, but 1.5 mm thinner. 90 vs 64 cm³.



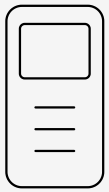
Galaxy Buds3 Pro case

58.9 × 48.7 × 24.4 mm



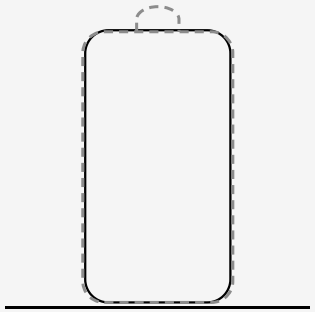
W	−9.3
L	+40.8
T	−4.1

Taller, but 4.1 mm thinner. 90 vs 70 cm³.



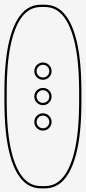
BMW Display Key*

48.0 × 90.0 × 12.0 mm*



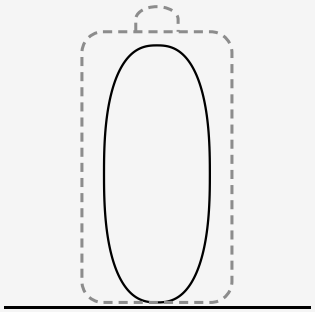
W	+1.6
L	−0.5
T	+8.3

Same footprint. 8.3 mm thicker.



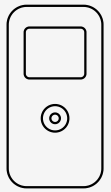
Porsche 992 key*

35.0 × 85.0 × 17.0 mm*



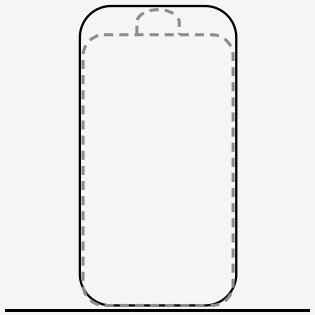
W	+14.6
L	+4.5
T	+3.3

Bigger on every axis.



Garmin inReach Mini 2

51.7 × 99.0 × 26.1 mm

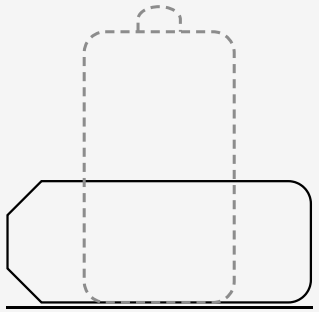


W	−2.1
L	−9.5
T	−5.8

Smaller on every axis.

Flipper Zero

100.3 × 40.1 × 25.6 mm



W	−50.7
L	+49.4
T	−5.3

Half as wide, 5.3 mm thinner. 90 vs 103 cm³.

03 — KEYRING AIR AGAINST SMALL THINGS

Keyring Air vs small things

Keyring Air: 40.0 × 76.6 × 9.1 mm. Squircle corners, oval screen window 13.46 × 25.1 mm.

KEYRING AIR — OBJECT W · L · T = RAILY − OBJECT, MM, AS DRAWN − = RAILY IS SMALLER

AirTag (2nd gen)

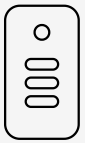
Ø31.9 × 8.0 mm

Zippo Classic

38.1 × 57.2 × 12.7 mm

Tesla Model 3/Y key fob*

38.0 × 73.0 × 16.0 mm*

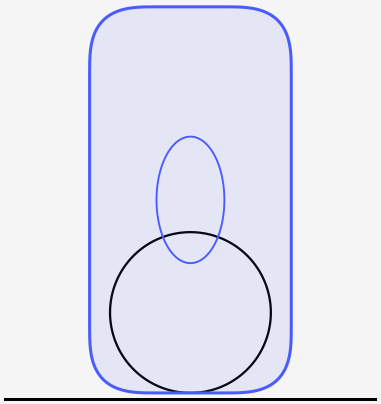


Mercedes W223 key*

47.0 × 85.0 × 9.0 mm*

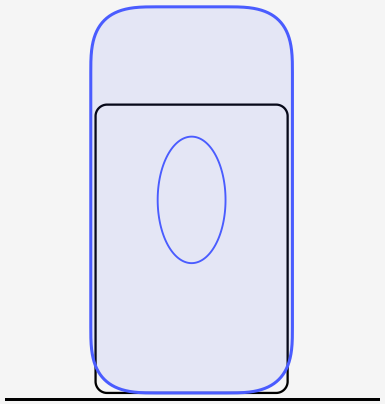
AirPods Pro 3 case

62.2 × 47.2 × 21.8 mm



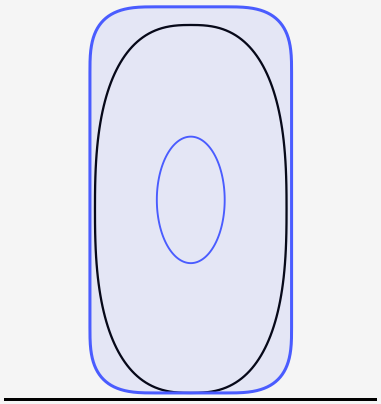
W	+8.1
L	+44.7
T	+1.1

Longer, only 1.1 mm thicker.



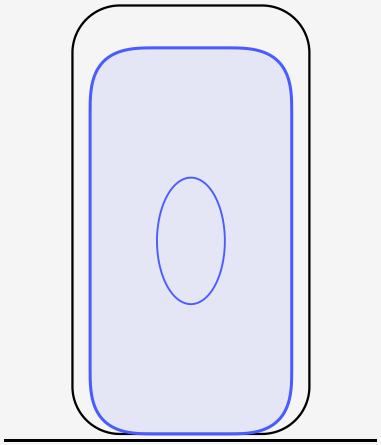
W	+1.9
L	+19.4
T	−3.6

Same width, 1.4× thinner. Same volume.



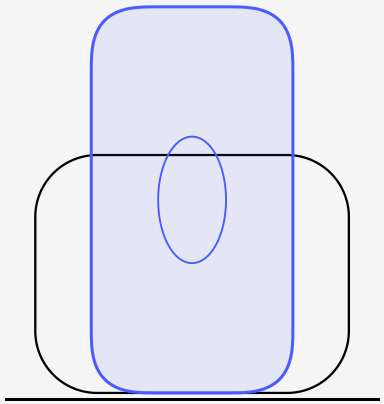
W	+2.0
L	+3.6
T	−6.9

Same footprint. 1.8× thinner.



W	−7.0
L	−8.4
T	+0.1

Smaller footprint, same 9 mm.



W	−22.2
L	+29.4
T	−12.7

2.4× thinner. 28 vs 64 cm³.

04 — WHERE THE NUMBERS COME FROM

Sources

ITEM	W × L × T, MM	CM³	GRAMS	SOURCE
Keyring Air	40.0 × 76.6 × 9.1	~28.0	—	Raily engineering spec (Keyring Air, C3F) squircle n=3 corners ~13 mm; screen window 13.46 × 25.1 mm
Keyring P1 (DIY)	49.6 × 89.5 × 20.3	~90.1	—	Raily engineering spec (DIY case) 97.8 mm long with the loop
Tesla Model 3/Y key fob*	38 × 73 × 16	44.4	~33*	Tesla Motors Club forum, owner measurement ESTIMATE* teslamotorsclub.com/tmc/threads/tesla-m3-key-fob-size.357716/
AirPods Pro 3 case	62.2 × 47.2 × 21.8	64.0	44	Apple, official specs apple.com/airpods-pro/specs/
Galaxy Buds3 Pro case	58.9 × 48.7 × 24.4	70.0	46.5	Samsung AU, official samsung.com/au/mobile-accessories/galaxy-buds3-pro-charging-case-ep-qr630cjegww/
BMW Display Key*	~48 × 90 × 12	~51.8*	~90*	hubauer-shop.de part 66125A66288; size from the 2.2″ display ESTIMATE* hubauer-shop.de/en/original-bmw-bmw-display-key-ece-row-66125a66288.html
Porsche 992 key*	35 × 85 × 17	50.5	~50*	PFF Forum, user measurement ESTIMATE* pff.de/en/thread/2812229-992-key-dimensions/
Garmin inReach Mini 2	51.7 × 99.0 × 26.1	134	100	Garmin MY, official garmin.com.my/products/outdoor/inreach-mini-2-black/
Flipper Zero	100.3 × 40.1 × 25.6	103	102	docs.flipper.net, official tech specs docs.flipper.net/zero/development/hardware/tech-specs
Zippo Classic	38.1 × 57.2 × 12.7	27.7	57	zippo.com, official zippo.com/products/classic-high-polish-black
AirTag (2nd gen)	Ø31.9 × 8.0	6.4	11.8	Apple Support EN-US/126203 support.apple.com/en-us/126203
Mercedes W223 key*	~47 × 85 × 9	~36.0*	~55*	Carsine blog: “thin rectangle, like a thick credit card” ESTIMATE* at.carsine.com/blogs/news/mercedes-benz-key-fob-evolution-2015-2026-a-compatibility-master-map

PHOTOS

Tesla fob — shop.tesla.com/product/model-3_y-key-fob · AirPods Pro 3 — Apple specs page image · Flipper Zero — Flipper CDN · Zippo Classic — zippo.com CDN · AirTag — Apple CDN. Photos shown in greyscale, not to scale. Galaxy Buds3 Pro, BMW, Porsche, Garmin and Mercedes are drawn as schematic line silhouettes.