

Sourcing Other Cabinet Parts for Your Tukkari VPin Cabinet

The **Tukkari VPin widebody and ultra-widebody cabinets** are compatible with most off-the-shelf pinball cabinet parts. Below, you will find a list of the most commonly used cabinet components in conjunction with our cabinets.

Please note that the provided links to specific parts are intended as examples - many of them, of course, have alternatives. Most links lead to **PU-Parts.com**, a Germany-based e-shop. Many of the same parts are however also available from other pinball parts retailers, so feel free to check those as well and compare prices and availability.

Note: PU-Parts.com does not ship outside the EU. However, you may consider using one of the parcel forwarding services that can deliver to your country. Alternatively, you may check other e-shops like **Pinball.center** (Germany) or **Pinballshop.nl** (Netherlands), which also seem to ship outside the EU.

Pinball legs:

You can use either the shorter **28.5"** or the longer **30.5"** pinball legs. Use the **1st and 2nd pre-drilled holes** in the cabinet (counted from the bottom) to attach the **28.5"** legs. For the **30.5"** legs, use the **2nd and 3rd holes** (again counted from the bottom).

Pinball 30,5" legs – 4 pcs: <https://pu-parts.com/stern-sega-black-legs-set-of-4>

Williams style leg bracket - 4 pcs: <https://pu-parts.com/williams-bally-new-style-leg-bracket>

Leg levelers - 4 pcs: <https://pu-parts.com/heavy-duty-leg-leveler-with-nut>

Leg bolts - 8 pcs: <https://pu-parts.com/bally-williams-extended-chrome-leg-bolt>

Silicon leg levelers caps - 1 set of 4: <https://pu-parts.com/rubber-base-for-leg-levelers>

Cabinet leg protectors - 1 set of 4: <https://pu-parts.com/hidden-metal-cabinet-leg-protectors-set-of-4>

Lockdown bar (Widebody):

Option 1: JJP widebody lockdown bar (black, powder coated, with clear action button)

JJP widebody lockdown bar with action button: <https://pu-parts.com/lockdown-bar-jjp-action-black>

JJP lockdown bar receiver: <https://pu-parts.com/jjp-lockdown-bar-receiver-assembly-10-008001-00>

If you plan to use JJP lockdown bar with action button and JJP lockdown bar receiver together with MX or RGB Button boards by Arnoz, you will also need:

Arnoz Button board bracket for JJP lockdown bars (3d printable): <https://www.thingiverse.com/thing:7245822>

8-32 Nylon Insert Lock Nut – 2 pcs: <https://pu-parts.com/8-32-nylon-insert-lock-nut>

Williams End Of Stroke Switch: <https://shop.arnoz.com/en/accueil/120-williams-end-of-stroke-switch.html>

Option 2: TUKKARI/CabCustom widebody lockdown bar (black, powder coated, with clear action button included)

Note: JJP lockdown bars (Option 1) tend to be sold out quite often in Europe. If you have trouble finding one, please contact us - we have our own alternative black, powder coated lockdown bars with a hole for action button in stock to help you out. Our lockdown bar does not require the lockdown bar receiver. Instead, it uses two simple clamps for attachment, which are provided with the lockdown bar. You can see our lockdown bar in the assembly video at around the 14:37 mark here: <https://www.youtube.com/watch?v=FZL6rSCBjwM>

Should you choose to use our lockdown bar with the action button with MX or RGB button board by Arnoz, you will also need:

3d printed button board bracket for lockdown bars without receivers by Arnoz:

<https://shop.arnoz.com/en/3d/137-lockbar-button-support.html>

Williams End Of Stroke Switch: <https://shop.arnoz.com/en/accueil/120-williams-end-of-stroke-switch.html>

Note: You may also choose any other lockdown bar with or without the action button hole, as long as it is intended for use with widebody cabinets. In that case, also look for the corresponding lockdown bar receiver for your lockdown bar.

Lockdown bar (Ultra-widebody):

TUKKARI/CabCustom ultra-widebody lockdown bar (black, powder coated, with clear action button included)

There's no readily available lockdown bar for the TUKKARI ultra-widebody cabinets from pinball parts vendors. Ultra-wide lockdown bar need to be exactly 40 mm wider than a regular off-the shelf lockdown bar for widebody cabinets. Historically, no real pinball machines were ever made in an ultra-widebody cabinet, so such a lockdown bar must be custom-made. We therefore highly recommend getting the ultra-widebody lockdown bar from us when purchasing your ultra-widebody cabinet (available as an optional add-on).

Like our widebody lockdown bar, the ultra-widebody lockdown bar also does not require the lockdown bar receiver. Instead, it uses two simple clamps for attachment, which are provided with the lockdown bar. You can see our lockdown bar in the assembly video at around the 14:37 mark here: <https://www.youtube.com/watch?v=FZL6rSCBjwM>

Side Rails:

Together with your **Tukkari VPin cabinet**, you can also optionally purchase our own **premium, heavy-duty Tukkari siderails with button guards**.

Alternatively, if you prefer regular thin siderails without button guards, you may choose any **Williams-style siderails**. Choosing **Stern siderails** is not recommended, as they tend to be a bit short for the cabinet.

Williams style siderails: <https://pu-parts.com/bally-williams-siderails-brushed-stainless-steel>

The example above shows the stainless steel version. Other shops may offer additional colors to choose from.

Coin Door:

Coin Door: <https://pu-parts.com/data-east-coin-door>

Black Carriage Bolt - 4x: <https://pu-parts.com/1-4-20-x-1-1-4-inch-bolt>

Coin Door Flange Locknut - 4x: <https://pu-parts.com/coin-door-whiz-flange-locknut>

Shooter:

Shooter assembly: <https://pu-parts.com/stern-ball-shooter-assembly>

Shooter mounting plate - 1x: <https://pu-parts.com/ball-shooter-mounting-plate>

Pan head screws - 3x: <https://pu-parts.com/10-32-1-2-pan-screw-with-locking-washer>

Playfield Glass:

Widebody tempered glass: <https://pu-parts.com/anti-reflective-pinball-glass-widebody>

Note: Alternatively, you can source the tempered glass locally. In this case, order the same dimensions as those offered for the widebody from PU-Parts.com: 5 mm thick, 605 × 1090 mm. It is important to ask the glass shop not to include the tempered glass logo in the corner.

Ultra-widebody tempered glass: This size is not available ready-made from a pinball parts shop, so you will always need to have it custom-made at your local glass shop. Since the ultra-widebody cabinet is 40 mm wider, your tempered glass will need to be 5 mm thick, with dimensions of 645 × 1090 mm.

Playfield glass plastic channels - 2 pcs: <https://pu-parts.com/stern-extrusion-playfield-glass-side-channel-545-5017-00>

Widebody rear glass plastic channel - 1 pc: <https://pu-parts.com/williams-bally-rear-black-plastic-playfield-glass-widebody-trim-03-8091-2>

Note: Since the playfield glass is probably the very last thing you will install in your cabinet, it is recommended to double-check your exact measurements with the playfield glass channels installed before ordering the glass from your glass shop.

Buttons:

Cabinet Flipper buttons - 4 pcs: <https://pu-parts.com/cabinet-flipper-button-transparent-1-1-8-shaft-clear>

Pal nut - 4 pcs: <https://pu-parts.com/nut-for-flipper-button>

Start 1" pinball button (any color) 1 pc.: <https://pu-parts.com/williams-bally-stern-blue-start-button>

1" pinball buttons (to be installed under the cabinet) – 5 pcs: <https://pu-parts.com/stern-sega-red-start-button-lamp-assembly>

Note: Arcade buttons are larger in diameter than pinball buttons. If you want to use arcade buttons instead, you will need to enlarge the pre-drilled holes by a couple of millimeters.

Note: Populating the five button holes under the cabinet is optional. They are usually assigned as follows: **Volume+**, **Volume-**, **Menu/Operator**, **Night Mode**, **PC On/Off**.

USB mount extension cable (there is ready made cutout for it under the cabinet) - 1 pc:

<https://www.aliexpress.com/item/1005006740773920.html>

Monitors:

Playfield monitor: LG OLED C2/C3/C4/C5 42" (Widebody), LG OLED C4/C5 48" (Ultra-widebody)

DMD 15,6" monitor with VESA mount: <https://www.amazon.de/UPERFECT-Portable-Monitor-Protective-Compatible/dp/B0BXSNK5KD>

(3d printable bracket for this DMD monitor available here (print 2x/1 pair): <https://tukkaricz.s2.cdn-upgates.com/p/p68d2739422f46-ver-4-tukkari-dmd-bracket-vesa75x75mm-2.stl>)

Note: The Uperfect monitor has connectors on the side. Due to space constraints, you will also need USB-C and HDMI 180-degree adapters.

Backbox monitor: Any modern 32" monitor with a VESA mount of 75×75 mm or 100×100 mm. Avoid monitors with an overly curved back and/or a recessed VESA mount. **Thinner monitors = better.**

Cabinet fans:

Any 120 mm PC fans - 3 pcs.

Speakers:

Backbox speakers: any 5,25" (car) speakers

Subwoofer: any 6,5" subwoofer (example: <https://www.soundimports.eu/en/dayton-audio-dcs165-4.html>)

T - molding:

Any color of 18/19 mm T-molding. You will need 2 meters for each side of the backbox, for a total of 4 meters.

Power Socket Switch:

Power socket switch 1x: <https://www.amazon.de/-/en/Built-Socket-220-250V-Installation-Coupling-black-red/dp/B0CZ7Q3VXK/>

Control Boards:

The most commonly used electronics in VPins come from:

L'atelier d'Arnoz: <https://shop.arnoz.com/en/> (based in France)

Cleveland Software Design: <https://www.clevelandsoftwaredesign.com> (based in USA)

If you decide to go with Arnoz boards, you may also find following **Arnoz board wiring diagram** useful, created and shared by a member of the French VPin community. It can be downloaded here:

<https://tukkaricz.s2.cdn-upgates.com/4/469011591dd133-pincab-cablage-dude-v1-2-erad.pdf>

Note: Don't be intimidated by the complexity - the diagram basically shows almost all the possibilities for your VPin cabinet build. For example, it illustrates how to connect solenoids, contactors, or real pinball mechanisms for DOF. In reality, you will probably choose only one of these three options.

Note: The diagram shows the Walter Driver connected to multiple MOS8 or MOS4 boards. Arnoz has introduced a new Bunny Board, which is equivalent to one Walter Driver and two MOS8 boards, making wiring simpler and saving space in your cabinet.