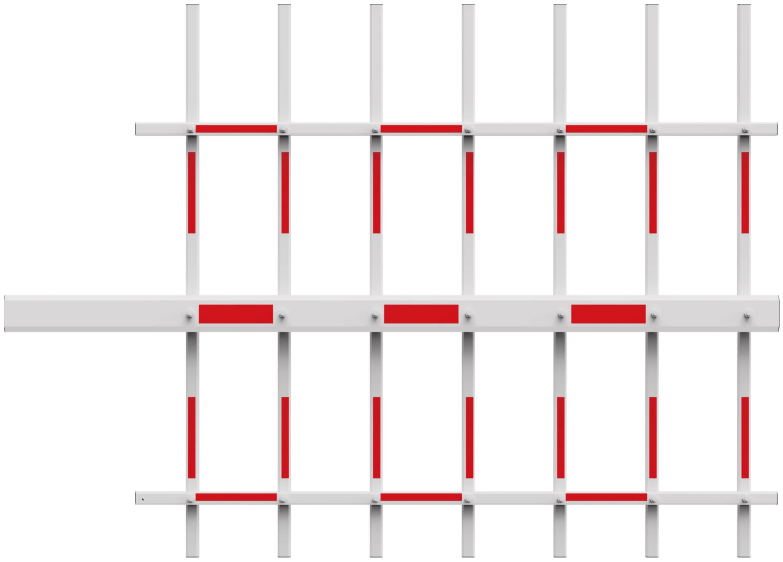
SXK-BAF03

Triple-Fence Barrier Arm

A full-height fence arm for lanes where pedestrians must be kept out of the vehicle path. Three horizontal rails carry vertical bars above and below the boom, closing the lane well beyond the boom line. Specify the arm to suit the lane, then confirm mass, sail area and balance with the barrier operator.



Three-rail fence arm, 4500 mm, in the closed position | White with red reflective markings

Boom section	Frame configuration	Frame height	Overall length
100 x 45 mm	3 horizontal rails	1550 mm	4500 mm

Product highlights

Closes the lane to shoulder height. The frame stands 1550 mm deep and carries a full row of vertical bars, so the closed lane is blocked well above the boom line and cannot be stepped over or ducked through.

Three rails, one rigid panel. The octagonal boom is the mid-height rail, with an upper and a lower rail bracing the bars, so the frame behaves as a stiff panel rather than a row of loose bars. Because the boom sits within the frame rather than at its edge, the panel extends above and below the mounting point.

Light for the area covered. Aluminium extrusions with a 1.1 mm boom wall and a 0.7 mm bar wall keep the moving mass low, which limits the inertia the operator has to accelerate, stop and balance.

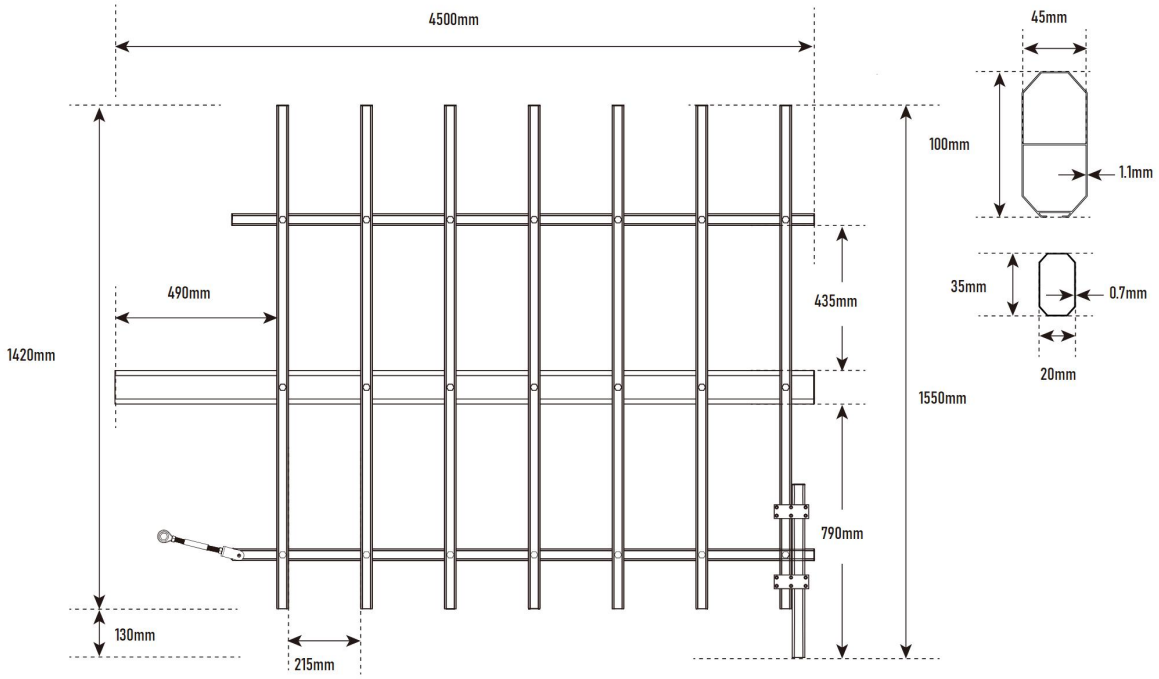
Readable when closed. White powder-coated surfaces and red reflective strips on all three rails give a high-contrast daytime signal and a retro-reflective return at night.

Where the arm is used

Lanes with regular pedestrian movement beside the traffic: staff and visitor car parks, hospital and campus entrances, and site gates where a plain boom would be walked under.

Dimensions and specifications

The frame is dimensioned from the boom at mid-height. Confirm the overall length against the clear lane opening, and check the frame height and bar spacing against the pedestrian control the site needs.



General arrangement, 4500 mm arm | Dimensions in millimetres; the bar row is shown schematically

Parameter	Specification
Product type	Three-rail fence barrier arm
Frame configuration	Boom at mid-height; one rail above and one rail below; vertical infill bars
Boom	100 x 45 mm octagonal aluminium extrusion, 1.1 mm wall
Infill bars	35 x 20 mm oval aluminium extrusion, 0.7 mm wall
Bar spacing	215 mm nominal centres
First bar from arm root	490 mm nominal
Overall arm length	4500 mm
Overall frame height	1550 mm
Frame above the boom	435 mm clear opening to the upper rail
Frame below the boom	790 mm from the boom to the bar ends
Bar overhang below lower rail	130 mm
Finish and markings	White polyester powder coat; red reflective strips to all three rails
Root connection	Adjustable rod-end link and clamp to the arm holder
Tip connection	Clamped upright with two six-screw plates
Reference mass	Approx. 12 kg, 4500 mm assembly, without packing
Clear lane opening	Typically 0.4 to 0.5 m less than the arm length

Dimensions are nominal and given in millimetres. The drawing shows the bar row schematically; production arms carry bars at the nominal spacing over the usable length. Verify bar positions, hole pattern, tip clearance and installed mass for the ordered configuration.

Selection and installation

A fence arm adds height and exposed area to the boom. Select it against the operator's permitted arm mass and wind rating, not only against the lane width.

Selection checklist

Item	What to verify
Lane geometry	Confirm the clear opening, the cabinet position and the space the frame sweeps when raised. A 4500 mm arm does not create a 4500 mm clear opening, and a 1550 mm frame needs more room above the lane when the arm is fully open.
Pedestrian control	Match the frame height and bar spacing to the traffic to be deterred. The frame discourages pedestrians and cyclists; it does not replace a gate, turnstile or fence line.
Operator capacity	Give the operator supplier the arm mass, length and exposed frame area. The three-rail frame presents the largest sail area in the range, so the permitted combination must be confirmed.
Root and tip	Match the rod-end link, clamp fitting and hole pattern to the arm holder. Where an end rest is used, set it so the tip upright lands squarely without loading the frame.
Clearances	Check the frame against kerbs, lane edges, signage and overhead structures through the full travel, and keep the lower bars clear of standing water and drainage channels.

Commissioning sequence

01 Fit and square. Offer the frame to the arm holder, fit the tip upright and adjust the rod-end link until the frame is square to the lane and the bars hang vertical.

02 Balance the assembly. Balance the complete arm including frame and fittings. A fence arm is heavier and has a higher centre of mass than a plain boom, so set the operator spring or counterweight for the installed assembly.

03 Set the limits. Set the open and closed positions so the frame clears the ground, the lane surface and any overhead structure through the full travel, including the upper rail and tip upright.

04 Test the protection. Verify loop, radar, photocell and obstruction response with the frame fitted. Check that neither the tip upright nor the lower bars foul an end rest, kerb or roadway.

Inspection and care

Clean the reflective strips and inspect the bars, rails, clamp plates and rod-end link at the operator's service interval. Re-tighten bar fixings after wind loading or impact, touch in paint damage, and replace bent bars or a deformed link rather than straightening them. Follow the operator's maintenance schedule for the drive, spring and safety devices.

The frame does not add a safety function of its own. Vehicle detection, obstruction protection and the operating behaviour of the lane remain the responsibility of the barrier operator and its connected devices.

Ordering information

Order the SXK-BAF03 by frame configuration and arm length: three rails, vertical infill bars, 4500 mm arm, white finish with red reflective markings, and a root interface matched to the arm holder of the specified barrier operator. Other lengths and finishes are available to order. State the operator model and the required clear lane opening with the enquiry.

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Specifications are subject to change without notice. Please confirm final configuration and certifications with our sales team before ordering.