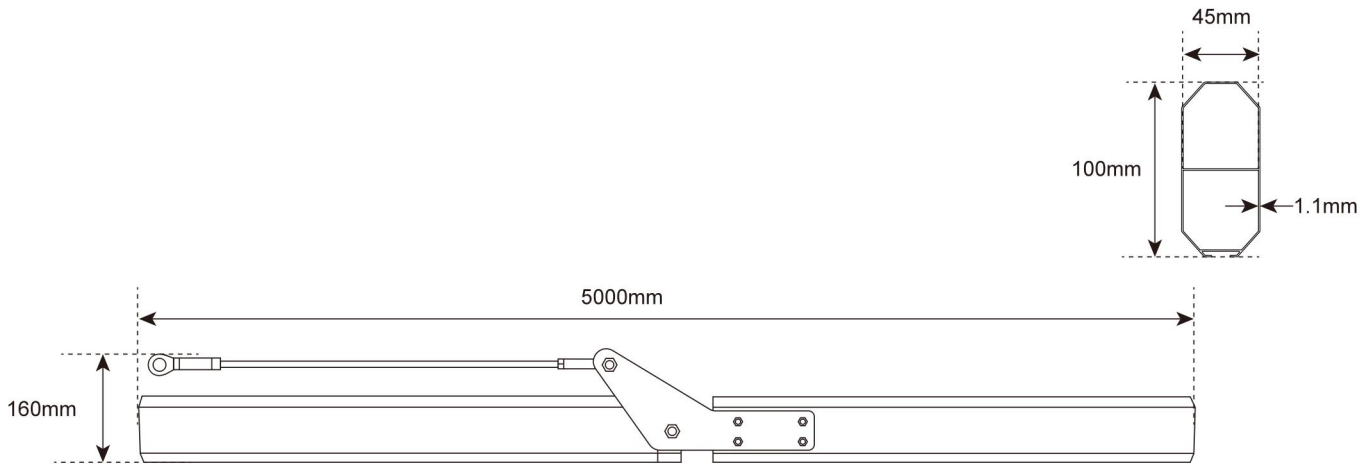
90 Degree Folding Barrier Arm

SXK-BAQ01

An articulated aluminum boom for parking entrances with limited overhead space. A matched folding joint and linkage coordinate the proximal and distal sections so the arm can open beneath a low ceiling.



Complete folding arm with external linkage in the closed position



Folding arm drawing

Nominal section	Arm configuration	Nominal wall	Segment lengths
100 x 45 mm	90 degree folding	1.0 mm	Project specified

Product highlights

Designed for limited headroom. The proximal section rises while the distal section remains approximately horizontal through the matched linkage geometry.

Project specific reach. Specify both segment lengths to match the lane width, shaft height and available overhead clearance.

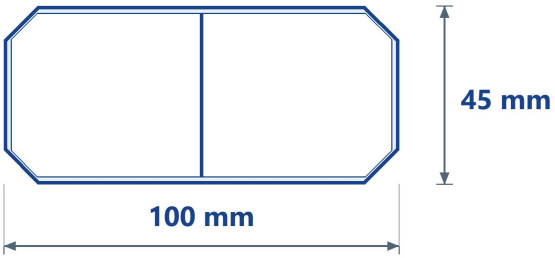
Matched mechanical assembly. The folding joint, linkage, arm holder and operator must be selected and adjusted together.

Visible lane control. White painted aluminum with red warning and reflective markings provides a clear visual closure across the lane.

Dimensions and specifications

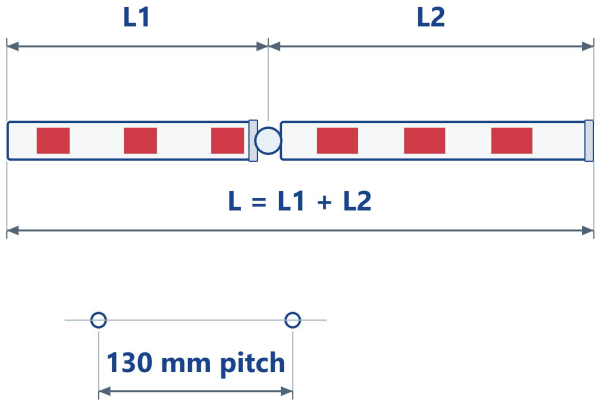
Specify the proximal and distal segment lengths separately. The total reach, folding geometry and available clearance must be checked on the complete installation drawing.

OCTAGONAL SECTION



Nominal wall 1.0 mm

SEGMENT LENGTHS AND MOUNTING



Confirm hole diameter and edge offsets with the holder.

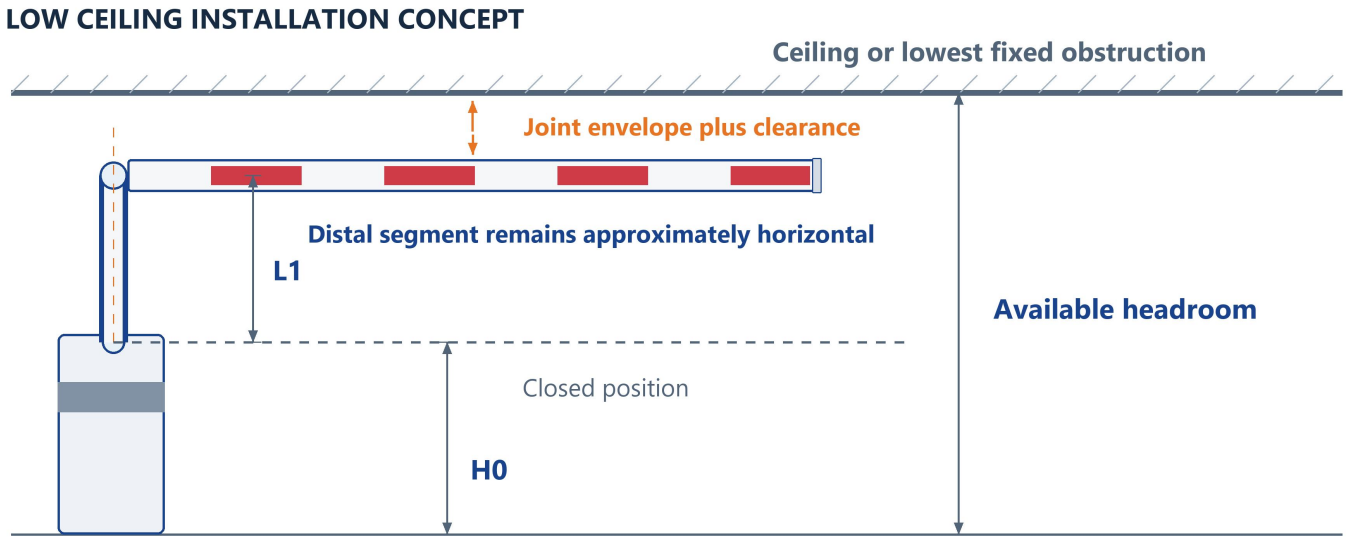
Nominal dimensions in mm | L1 and L2 are project specified | Views are schematic

Parameter	Specification
Product type	90 degree articulated folding barrier arm
Construction	Aluminum alloy arm sections with folding joint and linkage
Profile	Octagonal; nominal external section 100 x 45 mm
Nominal wall thickness	1.0 mm
Arm length	Customized to the project; define proximal length L1 and distal length L2
Nominal closed reach	L = L1 + L2 using the datums of the approved assembly drawing
Folding arrangement	Proximal section rises; distal section remains approximately horizontal
Surface and markings	White painted aluminum with red warning / reflective strips
Arm root mounting pitch	130 mm reference; match the actual holder drilling pattern
Reference gross weight	7 kg; segment lengths and packing scope dependent
Required integration	Matched folding joint, linkage, holder and compatible barrier operator

Nominal arm section 100 x 45 mm. Dimensions and joint positions are schematic; verify the final lengths, hole pattern, allowances and installed assembly mass.

Headroom and installation

Determine the lowest obstruction above the complete folding path. Check the shaft height, proximal segment, joint envelope and clearance allowance before selecting the segment lengths.



Check the complete moving envelope, including linkage, arm thickness and accessories.

Preliminary open-position check: Hc >= H0 + L1 + E + C. Hc is the ceiling height, H0 the shaft-axis height, E the hardware envelope above the segment axis, and C the required clearance. Verify the maximum moving envelope through the full travel.

Project input	Selection check
Lane and shaft location	Specify the clear opening, shaft-axis height and required closed arm reach.
Ceiling and obstructions	Measure the lowest fixed obstruction over the entire movement and allow installation clearance.
L1 and L2 lengths	Choose the segment split from both headroom and lane coverage; confirm joint allowances.
Handedness and linkage	Match installation side, folding direction, linkage anchor and holder interface to the operator.

Commissioning and maintenance

01 Assemble and adjust. Fit the matched joint and linkage. Set the closed alignment and open geometry using the approved assembly procedure.

02 Balance and verify. Balance the full moving assembly, set travel limits and check every intermediate position for interference.

03 Inspect the joint. Check pins, fasteners, linkage and arm alignment. Follow the specified lubrication and replacement requirements, and inspect after an impact.

Verify vehicle detection and obstruction protection before service. The complete moving envelope determines clearance; a single open-position height does not replace a full travel check.

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