

Outdoor Acrylic Convex Mirror

Installation and Product Guide | Models 18026S, 18044S, 18062S, 18080S and 18445S

Before installation

Read this guide completely. Select a stable structure and fixing hardware appropriate for the wall, ceiling or pole and the expected environmental loads. Mounting screws, bolts and optional pole U-bolts are not supplied with the mirror.

Product overview

These weather-resistant outdoor convex mirrors improve visibility around blind corners, driveways, car parks, pedestrian areas, machinery and industrial sites. The specialised optical-grade 100% virgin acrylic curve is vacuum metalised with 99% pure aluminium to provide a bright, low-distortion reflection. A vinyl surround, 10 mm Celuka vinyl back and adjustable outdoor J-bracket support practical wall or ceiling installation.

Use and limitations

Designed for general outdoor and industrial locations that are not exposed to harsh environmental conditions such as high winds. Confirm the mounting structure, fasteners and final viewing angle are suitable for the site. Inspect the installation periodically and after severe weather or impact.

Verified range specifications

Part no.	Mirror	View distance	Bracket	Mounting holes	Packed size	Packed weight
18026S	300 mm	Up to 21 m	270 mm	4 x 9 mm	32 x 8 x 33 cm	2 kg
18044S	450 mm	Up to 28 m	270 mm	4 x 9 mm	47 x 8 x 49 cm	3 kg
18062S	600 mm	Up to 38 m	330 mm	4 x 9 mm	62 x 8 x 63 cm	5 kg
18080S	800 mm	Up to 50 m	435 mm	4 x 11 mm	83 x 12 x 85 cm	9 kg
18445S	1000 mm	Up to 60 m	435 mm	4 x 11 mm	103 x 12 x 104 cm	18 kg

Viewing distance is measured from the viewer to the mirror and then to the area being viewed. Packed dimensions are shown as length x width x height.

Wall or ceiling installation

- 1. Choose the location.** Stand at the normal viewing point and identify a position that gives a clear line of sight to the blind area. Allow enough clearance to fit the mirror onto the J-bracket and to adjust it.
- 2. Check the supporting surface.** Use a structurally sound wall or ceiling. Select corrosion-resistant screws or bolts, anchors and washers suitable for the substrate and load. The supplied bracket has four mounting holes.
- 3. Fix the J-bracket.** Hold it square, mark all four holes, drill as required and secure all four fixing points. Tighten evenly. Do not rely on only two holes.
- 4. Fit the adaptor to the mirror.** Thread the adaptor into the fitting on the back of the mirror until properly seated. Do not cross-thread or over-tighten.
- 5. Mount and aim the mirror.** Slide the adaptor and mirror over the J-bracket. Adjust the mirror while standing at the intended viewing position so the full hazard area is visible.
- 6. Lock and finish.** Tighten the adaptor locking bolt securely. Remove the protective film only after installation is complete. Confirm all fasteners are tight and the mirror cannot rotate or slip.

Optional pole mounting

Optional U-bolt packs are available for nominal 60 mm and 75-76 mm poles. U-bolts are not included with the mirror. Use the correct pack for the pole and confirm the pole is structurally suitable.

For 300-800 mm mirrors

1. Place each U-bolt around the pole and around the J-bracket, then pass it through the separate flat plate. **2.** Fit washers and nuts and tighten evenly so the bracket is secure and vertical. **3.** Fit, aim and lock the mirror using wall/ceiling steps 4-6 above. The U-bolt does not pass through the J-bracket.

For the 1000 mm mirror

1. Pass each U-bolt through one side of the larger J-bracket, around the pole and through both sides of the flat plate. **2.** Fit washers and nuts and tighten evenly. **3.** Fit, aim and lock the mirror using wall/ceiling steps 4-6 above. The U-bolt passes through one side of the J-bracket.

Safety check: Do not install where the mirror or bracket may obstruct vehicles, pedestrians, doors or machinery. Recheck the viewing angle from the actual operating position before putting the area back into service.

Care, inspection and support

Cleaning

Remove loose dust with clean water before wiping. Wash the acrylic face with lukewarm water, a small amount of mild detergent and a soft clean cloth or sponge. Rinse and dry with a clean soft cloth. Do not use abrasive pads, scrapers, solvents, ammonia-based glass cleaner or high-pressure cleaning directly on the mirror face.

Routine inspection

Check the four structural fixings, J-bracket, adaptor, locking bolt, surround and mirror face regularly. Tighten loose hardware, correct any movement and replace damaged components. Inspect promptly after high winds, vehicle contact or other impact. If the mounting structure has deteriorated, remove the mirror from service until repaired.

Included and optional items

Included: acrylic convex mirror, vinyl surround and backing, adjustable outdoor J-bracket and mirror adaptor/locking hardware.

Not included: wall or ceiling fixing hardware.

Optional: U-bolt pole mounting packs for 60 mm and 75-76 mm poles.

Applications

Suitable applications include industrial yards and warehouses, driveways and entrances, car parks, pedestrian routes, machinery observation, livestock observation and general outdoor surveillance where the site is not exposed to harsh environmental conditions.

Need technical help?

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This ALNA guide consolidates product information and installation guidance for the listed DuraVision heavy duty outdoor acrylic convex mirrors. Always use site-appropriate fixing hardware and competent installation practices.