



SIDEWINDER® OFFSET PAVING METHOD

Material will be delivered by 16.00/20.00 tonne tipper trucks supplied by the Contractor/Hirer.

Material will be laid by SidewinderUKs' Sidewinder® Offset Paver which will discharge the material direct from the truck to the excavation

The Sidewinder® is equipped with wheel grabs that enable the delivery vehicle to be mechanically attached to the Sidewinder® throughout the laying process. The wheel grabs operate hydraulically and are controlled from the cab of the Sidewinder® by the operator. Each wheel grab consists of a nylon type roller that sits inside the wheel rim of the last axle of the delivery vehicle, a second nylon type roller runs against the sidewall of the rear tyre of the delivery vehicle. The requirement of this operation is two fold;

1. To reduce the risk of personnel being injured by ensuring that no person can come between the Sidewinder® and the delivery truck
2. While discharging material the delivery truck is "captive" and therefore unable to roll away from the Sidewinder®, this removes any risk of spilling delivered material on to the carriageway. Due to the Sidewinders® ability to progress at a fast walking pace it is essential that the delivery vehicle is held by the wheel grabs as any delay between the Sidewinder® stopping and the delivery vehicle stopping will increase the risk of spillage and create a gap that could be a potential crush zone.

The Sidewinder® offset paver is able to discharge and screed material to the right-hand or left-hand allowing any laying operation to proceed with the flow of traffic. Although our latest machines are equipped and able to change hand within minutes some of the older machines take an hour to change and therefore should be advised at time of order.

Once in operation the Sidewinder® will progress in a continuous linear progression placing material to the open excavation directly forward of the screed.

Operator obligations

Our Sidewinder® will be supplied to you with an experienced operator who will be responsible for the machine at all times. The operator will only proceed with the laying process provided the site is safe to do so and will maintain communication with the banks-person to ensure that all is safe and ready prior to commencement and during the laying process.

The machine operator will ensure that all personnel are clear of the machine before the laying process commences. At all times it is the responsibility of all personnel to be aware of the laying procedure and remain vigilant.

Level control will be maintained by communication between the Sidewinder® operator and the screw-man at ground level. Topcon level options are available as standard with SidewinderUKs' Sidewinders® and will be used combination to best suit the required task.

Banks-person obligations

A banks-person is required and should be supplied by the hirer unless agreed otherwise. The designated banks-person will be briefed by the Sidewinder® operator prior to starting work as to their responsibilities which will include the following;

1. To control reversing of any delivery vehicle that is supplying material to the Sidewinder®.
2. To ensure that the delivery vehicle driver understands what is required of him.
3. To guide the delivery vehicle to the Sidewinder® until captured by the Sidewinder® wheel grabs.
4. To open (if required) the tailgate of the delivery vehicle once coupled to the Sidewinder®.
5. To instruct the delivery driver when to tip and by how much in order to maintain a constant flow of material during discharge but without overfilling the Sidewinder® hopper.
6. To ensure that the truck driver releases his brakes and maintains a straight driving line adjacent to the open excavation.
7. When the delivered material has been discharged the banks-person will instruct the delivery driver lower completely lower his body before the wheel grabs are opened to release the delivery vehicle. Once the wheel grabs are released the delivery vehicle can pull forward and leave the laying area.

A platform is integral to the Sidewinder® hopper and can be used for the banks-persons benefit to ensure a consistent line of sight between the Sidewinder® operator and the banks-person and, the banks-person and the delivery driver.

When laying proceeds the Contractor/Hirer will provide as many personnel as is deemed necessary to work behind the Sidewinder® to monitor levels and ensure that the edges are full and no voids are left. This will be achieved by communication between the rake hand(s), screw-person and Sidewinder® operator.

Compaction of materials laid by the Sidewinder® will be the responsibility of the Contractor/Hirer.

Any operation utilising a Sidewinder® will be a continuous linear procedure and will require teamwork to ensure that maximum outputs are achieved safely and that the required levels are achieved within the specified tolerances.

Site Management should ensure that all laying areas are free from obstruction and fit for the Sidewinder® operation prior to commencement.

In the event that the Sidewinder® has to travel through it should be ensured that safe passage and sufficient space is available. Alternatively, arrangements should be made by onsite management for movement by a suitable low loader.

All materials delivered will be recorded either by tonnage tickets or load for record purposes on a SidewinderUK daily record sheet (DRS) indicating duration of discharge for each load, the tonnage and the material type. The DRS will also record date, client, client contact, start/end of shift, operator and plant supplied, and a record of pre-start checks of the Sidewinder® offset paver.

The Management

SidewinderUK.com Ltd.