

You build the frame out of what you already have. We make sure the nozzles and photo eyes bolt right to it.

Every ranch sets up De-Fly differently. Some hang it on a tube gate at the water trough, some on the pipe rails of a crowding alley, some on T-posts in a lane. This kit covers all of them. Every mount carries the same fork slot for the TeeJet 3/8 in anti-siphon nozzle body, so the nozzle slides in sideways and locks down with its own nut. Sensor versions carry a 3/4 in hole for the M18 photo eye. All mounts are printed in UV-stable ASA with chamfered edges, filleted corners and gussets at every joint, and they take standard farm-store hardware: U-bolts, hose clamps, banding or lag screws.

Straight

Nozzle plate level with the block. Sprays straight away from the rail or post. On a horizontal rail, roll it to aim.

Side45

Short arm off the side, plate tilted 45 degrees. Sprays up or down on a vertical post with the nozzle body out beside the post.

Post45

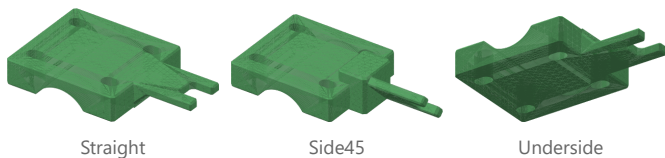
Arm off the end of the block along the post, 45 degrees up or down. For smaller posts.

Sensor

Any Straight mount with a 3/4 in hole for the photo eye instead of the nozzle slot.

Pipe Clamp

Round pipe, tube gates, corral panels, pipe fence



Straight

Side45

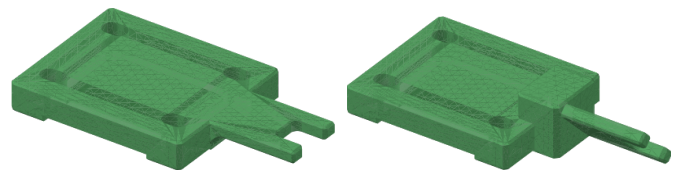
Underside

A saddle that cradles the pipe and locks down with two U-bolts. The slots are elongated so any U-bolt close to the pipe size fits. On a horizontal rail the Straight version does all three nozzle jobs: roll it on the rail to aim up, level or down, then tighten.

Sizes 1-5/8, 1-3/4, 2, 2-3/8 and 2-7/8 in pipe
Hardware Two U-bolts with nuts and washers
Versions Straight, Side45, Post45, Sensor

Square Tube Clamp

Square tube gates and panels



Straight

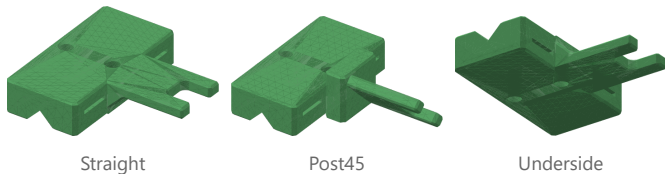
Side45

Same idea for square stock. A shallow recess locates the block on the tube and two square U-bolts clamp it. Mount it on the top, side or bottom face of a horizontal rail to get down, level or up without any angled parts.

Sizes 1-1/2 and 2 in square tube
Hardware Two square U-bolts with nuts and washers
Versions Straight, Side45, Post45, Sensor

Strap Mount

Any round post, odd pipe, wood posts



Straight

Post45

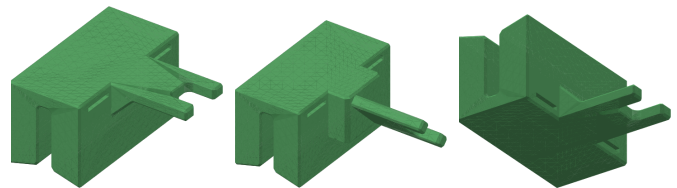
Underside

The go-anywhere mount. A V-groove seats on round posts of any size and two band slots run through the block for stainless hose clamps or banding. Two holes take lag screws so it bolts straight to a wood post or a board with no clamps at all.

Sizes One size fits all
Hardware Two hose clamps or 1/2 in banding, or two 1/4 in lag screws
Versions Straight, Post45 (side arm), Sensor

T-Post Mount

Studded steel T-posts



Straight

Side45

Underside

Made for the post every ranch already has. The block straddles the stem on the back of the post and its angled underside seats on the tips of the wings, so it centers itself and cannot rock or twist. Bands pass through the block above the stem and wrap the studded face.

Sizes Fits 1.25 lb and 1.33 lb posts
Hardware Two hose clamps or 1/2 in banding
Versions Straight, Side45, Sensor

Flat Mount

Flat steel, boards, walls, brackets you already have

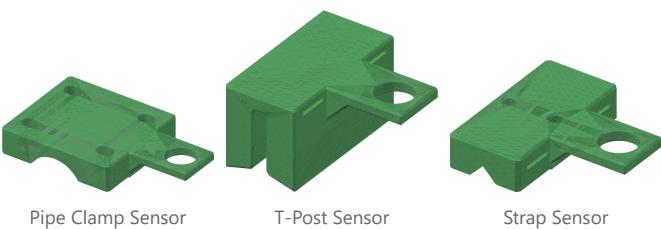


Bolt-on brackets for anything with a flat face. The Offset stands the nozzle 2-1/4 in off the surface and sprays straight out. The Angled bracket sprays 37 degrees up or down depending on which way you bolt it on. The Offset Sensor carries a photo eye the same way.

Sizes Two 1/4 in holes
Hardware Two 1/4 in bolts or lag screws
Versions Straight Offset, Angled 37, Sensor (Offset)

Sensor Mounts

For the De-Fly photo eyes



Every Straight mount above is also available with a 3/4 in hole in place of the nozzle slot. The M18 barrel of the photo eye drops through and locks with its own two nuts. Mount the eye and its reflector the same way you mount the nozzles, on whatever you have.

Sizes All pipe, square tube, strap, T-post and flat sizes
Hardware Same hardware as the matching nozzle mount
Versions Straight Sensor

The De-Fly three nozzle setup

One pass, whole animal

Three nozzles on one side of the walk-through: a low one aimed up under the belly, one at mid height straight across the side, and a high one aimed down over the back. Cattle get one flank treated going in and the other coming back out, so nobody gets a double dose and nobody gets missed.

Starting heights for mature beef cattle: belly 16 to 20 in aimed 45 degrees up, side 30 to 36 in straight across, top 60 to 66 in aimed 45 degrees down. Watch the first few head through and slide the mounts until belly, side and back all come out wet.

- Pipe rail** Three Straight clamps, rolled on the rail to aim
- Pipe post** One Straight for the side, two Side45 for belly and top, one flipped
- T-post** One T-Post Straight, two T-Post Side45
- Photo eyes** Two Sensor mounts, one each end of the nozzle run, plus reflectors

Not sure what you have?

Wrap a tape around the pipe and tell us the number. We will match the mount, or make one for a size that is not listed.

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