

NEUSTAR GRAVEL BOXES

RADIUS GRAVEL BOX

A smooth-sided Hardox® 500 Tuf box with no hard corners and no intermediate cross members — engineered to empty clean, load after load.



The Radius Gravel Box is engineered for demanding hauling applications, featuring a Hardox 500 Tuf floor and gate for maximum abrasion resistance and long-term durability. Its smooth radius design eliminates hard corners and cross members, making the box easier to empty and keep clean with every load. Solid-seam welding delivers a stronger, smoother surface that further improves cleanout and performance.

No intermediate cross members

The load rides on 9.5" hat-sill longitudinal rails — no intermediate cross-member structure under the box.

Solid-seam welding

Solid-seam welding delivers a stronger, smoother surface that further improves cleanout and performance.

Hardox 500 Tuf floor & gate

Abrasion-resistant plate where the wear happens — floor, walls and tailgate — for long-term durability.

Smooth radius sidewalls

Formed Hardox 500 Tuf walls with 45° floor corners. The radius design eliminates hard corners, making the box easier to empty and keep clean.

101.5"

OUTSIDE WIDTH

88.5"

INSIDE WIDTH

24"–60"

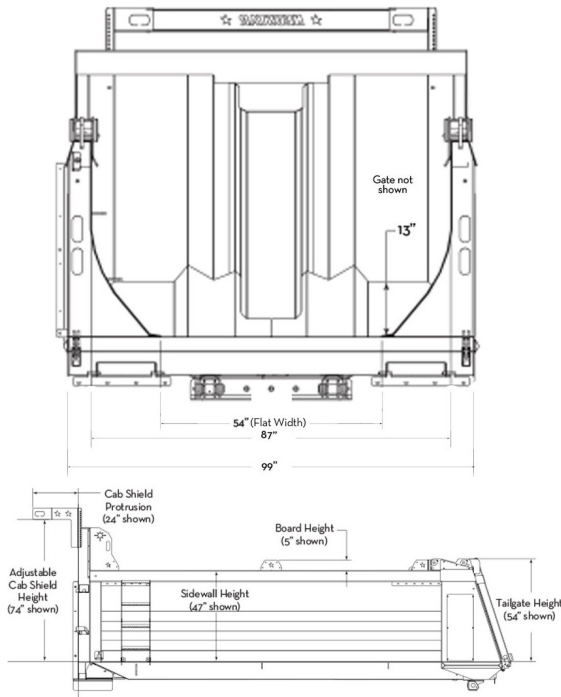
SIDE HEIGHTS

45–50°

DUMP ANGLE

500 Tuf

HARDOX FLOOR & GATE



Representative dimensional drawing. Sidewall, board, tailgate and cab-shield heights shown are one configuration — yours is built to order.

SIZING & CONFIGURATION

Outside width	101.5"
Inside width	88.5"
Side heights	24", 30", 36", 42", 48", 54", 60"
Sloped sides	60-48, 60-54, 66-60
Board height	6" or 12"
Length	12'-24'
Floor	Hardox 500 Tuf — 4mm, 3/16", 1/4" or 3/8"
Walls & front	Hardox 500 Tuf — 4mm or 3/16"
Dump angle	45-50°

Spec'ing a truck? Box length drives hat-sill gauge, hoist mount and axle configuration. Petra sizes the body, hoist and chassis together so the finished unit is legal on your routes.

BODY & STRUCTURE

- Hardox 500 Tuf formed walls with 45° floor corners and 4×6 formed top tube. Complete 4mm Hardox 500 Tuf box with 3/16" 500 floor (HWK standard).
- Floor options: Hardox 500 Tuf in 4mm, 3/16", 1/4" or 3/8".
- Front, doghouse and walls: 4mm or 3/16" Hardox 500 Tuf.
- 3/16" 50,000 hoist tower and 3/16" rear posts.
- Hat sills 9.5" × 3/16" longitudinal rails — 1/4" on boxes over 18'. No intermediate cross members.
- 10" × 2" × 3/16" structural formed tube channel rear cross member.
- 8" high front board pockets set for finished sideboards.
- Low-profile cab guard, 18" or 24", with oval cutout for strobes.
- Body prop integrated to hoist saddle (unloaded body only).
- Greaseable HD dump body hinges, 2" solid shaft pins, hinge bushings with grease zerk.
- 1/2" × 2 1/2" vulcanized rubber buffer strips between box long members and truck frame. **OPTIONAL**
- Air-operated valve to limit body dump angle. **OPTIONAL**

TAILGATE

- Hardox 500 Tuf formed tailgate in 4mm, 3/16" or 1/4", with formed center horizontal rib.
- Air cylinder operated with over-center locks and heavy-duty hardware.
- 3/8" tailgate spreader chains with storage hooks; mesh chain covers protect paint.
- Hydraulic or air high-lift tailgate with 1/4" hi-tensile shielded lift hoods and 2.5" × 16" lift cylinders. **OPTIONAL**
- Two or four slurry locks installed on tailgate. **OPTIONAL**

LIGHTING & FINISH

- All LED. Recessed legal sealed-beam lights on a Philips sealed harness with WeatherPac and bullet ends.
- Oval high-count LED backup light in rear post; two LED oval stop / tail / turn lights per rear post where space permits.
- Body fully sandblasted, then primed and painted outside with Endura polyurethane, 2-3mm per coat.
- Underside painted to match body color. Total film thickness 4-6mm.

Body specifications only. **Hoist, hydraulics, controls, chassis equipment and options such as tarp systems, spray guards and body vibrators are spec'd and quoted by Petra** to suit your truck — ask for a full build sheet.

Build your Radius with Petra.

Authorized NeuStar dealer with in-house installation, hydraulics and service. Call for a quote, a build sheet, or a look at what's on the floor.

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