

FOR SALE

New Roto-Mix 720-16XD Xtra Duty Feed Mixer

Commercial Series Horizontal Rotary Feed Mixer
— Truck Mount



Condition: New | Rotor: GeneRation II Staggered | Drive: Hydrostatic (PTO) | Shell: 3/8" Stainless Steel



Three-quarter front view — 2026 Western Star 49X with Roto-Mix 720-16XD



Side profile — Roto-Mix 720-16 XD branding visible

Overview

The Roto-Mix 720-16XD is the Xtra Duty edition of Roto-Mix's proven 720 cu. ft. commercial feed mixer, engineered for large-scale feeder and dairy operations that demand maximum durability and reduced maintenance. Built on the foundation of the industry-leading 720-16 platform, the XD upgrade delivers a heavy-duty rotor assembly, maintenance-free Nylatron sleeve rear rotor bearing, and a redesigned drive system — keeping your operation running longer between service intervals.¹

This unit is mounted on a brand-new 2026 Western Star 49X truck chassis with a Detroit DD13 engine and Allison 4700 RDS transmission. The mixer box features a 3/8" stainless steel shell for maximum corrosion resistance and longevity, the GeneRation II Staggered Rotor for superior mixing of wet distillers grain rations, and a hydrostatic PTO-driven drive system for smooth, variable-speed operation.¹

Whether you're mixing total mixed rations (TMR) with wet distillers grains, processing baled hay, or blending liquid supplements and micro-ingredients, the 720-16XD delivers consistent, fluffier, more palatable rations from the first pound to the last.

Truck Chassis

Specification	Value
Make	Western Star
Model	49X
Year	2026
Engine	Detroit DD13
Transmission	Allison 4700 RDS
Radiator	All-Aluminum Coarse Core
Condition	New

Mixer Specifications

Specification	Value
Mixing Capacity	720 cu. ft. (20.39 m ³)
Struck Level Capacity	750 cu. ft.
Rotor	GeneRation II Staggered Rotor
Drive System	Hydrostatic Drive (PTO Operated)
Shell	3/8" Stainless Steel
Inside Length (Mixing Chamber)	192" (488 cm)
Inside Width	105" (267 cm)
Overall Length — Approximate	~230¼" (585 cm)
Tub Bottom Thickness	3/8" (Stainless Steel)

End Panel Thickness	3/8" (Stainless Steel)
Side Panel Thickness	3/8" (Stainless Steel)
Top Auger Flighting	3/8" x 24" O.D. RH 2/3 Pitch
Lower Auger Flighting	1/2" x 24" O.D. RH & LH Full Pitch
Top Auger Bearings	2-7/16" 4-Bolt (Front) / 4" 4-Bolt (Rear)
Bottom Auger Bearings	2-7/16" 4-Bolt (Front) / 4" 4-Bolt (Rear)
Rotor Bearings	3-7/16" 4-Bolt (Front) / Nylatron Sleeve (Rear)
Input Chain	#100 x 70 pitch
Top Auger Chain	#120 x 106 pitch
Lower Auger Chain	#140 x 74 pitch
Rotor Chain	#160 x 104 pitch
Top Auger Sprockets	120 A 54H & 140 A 26H
Bottom Auger Sprockets	140 C 45 & 160 B 11
Rotor Sprocket	160 A 82

Approximate Mixer Weights

Configuration	Weight
720-16XD on Truck	~18,020 lb (8,173 kg)

XD (Xtra Duty) Upgraded Features

The XD package raises the bar on Roto-Mix's already rugged commercial design:²

Heavy-Duty Rotor Assembly

Rotor tube diameter increased from 8 5/8" to 10" — a 50% increase in tube strength. Extended rotor life for high-volume operations.

Maintenance-Free Nylatron Sleeve Bearing

Rear rotor bearing uses a Nylatron sleeve for superior lubrication, long life, and smooth performance — no greasing required.

Improved Discharge System

Spout lift cylinder relocated from auger tube to door frame. Prevents spout from going over center — extends cylinder life. Reduced maintenance. Optional 3" raised discharge height for better bunk clearance. Features a larger discharge spout for faster feed delivery, getting ration to the bunk quickly and efficiently.

Redesigned Oil Bath Drive

Improved drive system with enclosed oil bath for extended component life.

Exterior Improvements (Truck Models)

Recessed taillights in rear bumper — reduced breakage, improved appearance. Access ladder relocated from left side rear to right side front — eliminates bunk damage.

Standard Features

Patented Forward-Pitched Rotor

The patented rotor lifts feed up to the side augers that move feed end-to-end for thorough mixing. The lifting action eliminates wedging of hay or long-cut feeds under the lower auger, while the tumbling design reduces mixing power requirements.

Complete Mix — No Dead Spots

Thorough mixing action eliminates dead spots and corner pile-up, delivering a consistent balance of nutrients from the first pound to the last. Complete ingredient mixing also reduces cattle's ability to sort and "nose out" ingredients.

Commercial Duty Drive Train

Splined shafts eliminate shearing of keys and galling of shafts. Heavy-duty chains and bearings extend service life and reduce downtime.

Commercial Scale System

Load cell mounting comes standard with Roto-Mix ball-and-socket type tie bars connecting the mixer to the frame — eliminating side and end movement on the load cells for dependable, accurate weighing.

Full Scale Frame

Sturdy box-frame construction with rectangular tubing for increased stability and weighing accuracy. Scale frame floats independently of the truck frame.

Flared Side Design

The flared side allows feed to tumble out of the rotor, speeding up the mixing action and reducing the chance for feed to get trapped inside the rotor.

Lower Center of Gravity

A lower center of gravity makes for a more stable unit when feeding and reduces shock load when cornering.

Single Point Grease Bank

Quick lubrication from a single ground-level access point.

Easy Access Rear Doors

Single-lever latch for quick inspection access.

Patented Double Flighted Top Auger

Helps hold hay in the processor for separation and eliminates "hay balls" from slipping between the flights into the mixing chamber.

Rotor Options

Rotor Option	Best For
GeneRation II Staggered Rotor	Rations with wet distillers grains (WDG/DDG); improved lifting and tumbling action, fewer revolutions, faster mix, lower fuel and maintenance costs
6-Bar Rotor	Maximum load capacity (20,500 lbs); heavy rations
5-Bar Rotor	Beef operations not using wet distillers grains; more leaves and flakes
3-Bar Rotor	Dairy operations; more leaves and particle length during hay mixing

This unit is equipped with the GeneRation II Staggered Rotor.

Available Options

- Hay Processor — Process baled hay directly into the mixer; saves time and expense of grinding, reduces wind and handling loss by up to 18%
- Hydraulic Discharge Door — Wide door openings for fast feed delivery; operable while mixer is running
- Gravity Discharge Spouts — No moving parts; reduced wind exposure compared to throwing feed
- Magnets — Trap foreign metal before it reaches the feed bunk
- Inspection Ladders — Aid in inspecting the mixing chamber
- Stainless Steel Liners — Available for mixing chamber for extended shell life
- Commercial Flighting Options — Lower auger: 3/4", 5/8", or 1/2"; Top auger: 3/8" or 1/2"
- 3" Raised Discharge Height — Better bunk clearance, reduced damage

Feed Flexibility

The 720-16XD handles it all:

- All types of grain
- Liquid feed and molasses
- By-products including wet distillers grains
- Forages and baled hay
- Micro-ingredients and medications

Mixes small and large batches with consistency, day after day.

Why Choose the 720-16XD?

1. XD durability — 50% stronger rotor tube, maintenance-free bearings, and improved drive system mean less downtime
2. Proven mixing performance — Patented rotor design delivers fluffier, more palatable rations that increase consumption
3. Scale accuracy — Ball-and-socket tie bars and full floating scale frame ensure dependable weighing
4. Versatility — Multiple rotor options and a full options list to match your operation

Warranty

Roto-Mix Limited Warranty — 1 year (12 months) from date of delivery to the original purchaser. Covers defects in materials and workmanship on parts manufactured by Roto-Mix, with repair or replacement performed at no charge at an authorized dealer or Roto-Mix facility. Replacement parts are warranted for 90 days or the remainder of the original warranty, whichever is longer.³

Registration required: the warranty card must be returned to Roto-Mix within 10 days of purchase for full coverage.³

Not covered: improper operation, unauthorized modifications or repairs, use of non-Roto-Mix parts, neglected maintenance, wear or maintenance items, pickup and delivery, service calls, or travel time.³

Truck chassis: the 2026 Western Star 49X carries separate factory warranties through Western Star / Daimler Truck, Detroit (DD13 engine), and Allison (4700 RDS transmission) — handled by the truck dealer.

Pricing & Contact

Van Raay Farms Ltd.

Picture Butte, Alberta T0K 1V0

Brent Leveque — Sales Manager

Phone: (403) 634-4441

Contact Brent for pricing and quotes on this new unit.

Sources

1. Roto-Mix 720-16 Product Page, <https://rotomix.com/products/horizontal-rotary-feed-mixers/truck/720-16>
2. Roto-Mix Rotary Mixers Brochure, <https://www.scribd.com/document/360327542/Roto-Mix-Rotary-Mixers-pdf>
3. Roto-Mix 720-16XD Operations & Parts Manual (PDF), https://rotomix.s3.us-west-2.amazonaws.com/Model_720-16XD_2025-10-01-133519_nrhy.pdf
4. Roto-Mix Owner Manuals, <https://rotomix.com/support/owner-manuals>

Specifications are approximate and subject to change without notice.