

TWINSTAR

GENERATION 3



7 BAR SERIES BASKET RAKES



***Cleaner Hay Means Higher Returns
and More Nutrients in Hay and Silage!***



Twinstar Generation3 Basket Rakes are the premier rakes designed for commercial farming operations. These rugged built rakes are designed to rake two windrows together and for turning hay to speedup drying time prior to baling for high production hay farming, custom operators, dairies raking green chop and raking bio feed stocks. Twinstar Basket Rakes produce consistent uniform windrows and the cleanest hay on the market. Cleaner hay brings higher returns and provides the highest quality feed to ensure animals receive proper nutrients. Research has documented that basket raked hay contains significantly less contaminants (dirt, rocks, and debris) and has less leaf loss compared to traditional finger wheel and rotary rakes. Twinstar Generation 3 Hay Rakes are designed for functionality and longevity in today's demanding markets. Twinstar 7-Bar Rakes are available in 27' & 30' approximate raking widths for windrowers equipped with 12' to 18' headers.

Innovative Design • Built to Last



7-FUNCTION ELECTRIC
HYDRAULIC VALVE



7-FUNCTION CONTROL BOX



EQUIPPED WITH HEAVY-DUTY
HIGH TORQUED MOTORS



FASTER RAISING AND
LOWERING OF BASKETS

VERSATILE TWINSTAR G3 FEATURES:

● New G3 Features

- Seven function electric/hydraulic valve and control box plus baskets on / off switch
- Independent raising & lowering of left / right baskets or together
- Faster raising & lowering of baskets
- Higher torque basket drive motors are standard equipment
- New time tested solid rubber gauge wheels
- Split hoses with JIC fittings at end of slide tubes for serviceability
- Improved double-shear angle cylinder mounts
- Transport light kit per ASABE / ANSIS279
- Baskets equipped with 30" diameter drive & idler wheels 3/8" high strength steel
- Baskets make fluffier, more uniform windrows for faster drying time
- 7 Tine Bar design allows for higher ground speeds up to 10 MPH
- Baskets are designed to handle heavier crops
- 7 Bar Baskets allow the operator to rake longer in the day, accomplished by slowing basket RPM speed which minimizes leaf loss
- Hydraulic drive motors are mounted to a separate bearing housing and shaft assembly which in turn is mounted to the drive wheel and basket assembly for increased strength & reliability
- Basket rake assemblies are equipped with torsion axles which provide a superior suspension versus spring protection
- Basket Frames are designed for durability & are equipped with gauge wheel mounting brackets front and rear
- Parallel basket linkage provides heavy-duty basket support and precision alignment
- Idler end of the basket is equipped with a self-aligning idler hub. This unique feature ensures precision tine bar, bearing and hub alignment which provides years of trouble free service



NEW SOLID RUBBER
GAUGE WHEEL



SPLIT HOSES WITH JIC FITTINGS
FOR SERVICEABILITY



DOUBLE SHEAR ANGLE
CYLINDER MOUNT



TRANSPORT LIGHT KIT PER
ASABE / ANSI S279

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"HOSE TRAC" HOSE PROTECTION



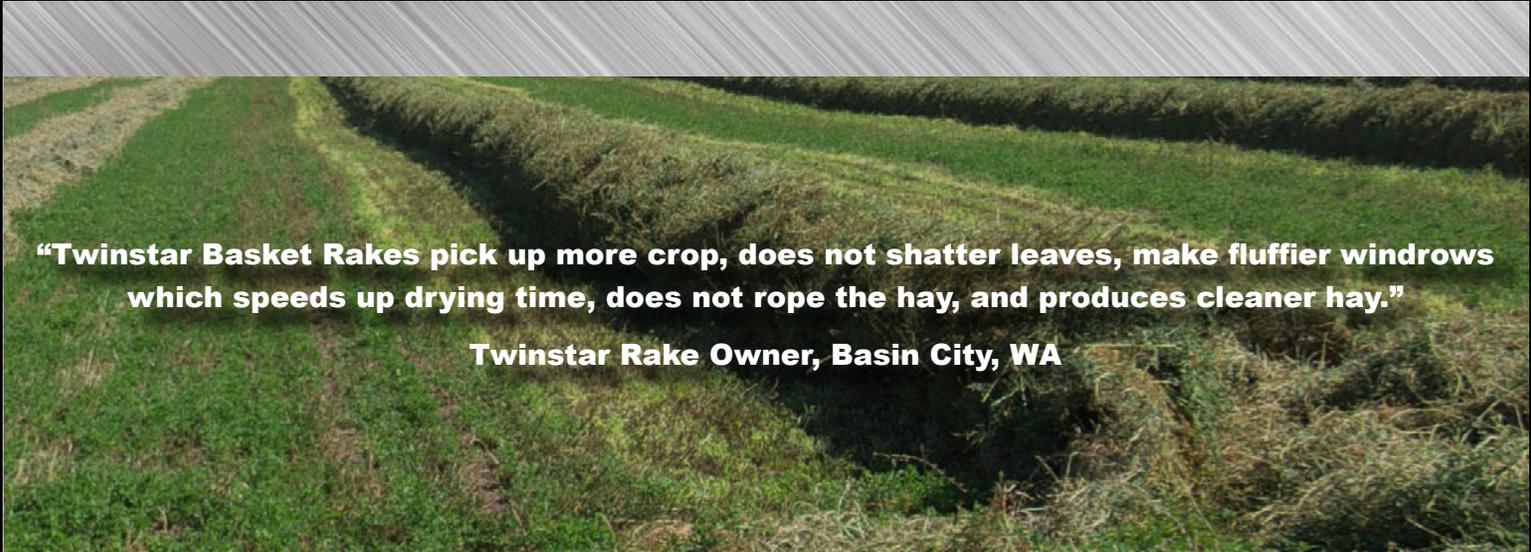
BASKET HEIGHT ADJUSTMENT LINK



HEAVY-DUTY BASKET PIVOT w/ UHMW SHIMS -SHEAR BOLT PROTECTED



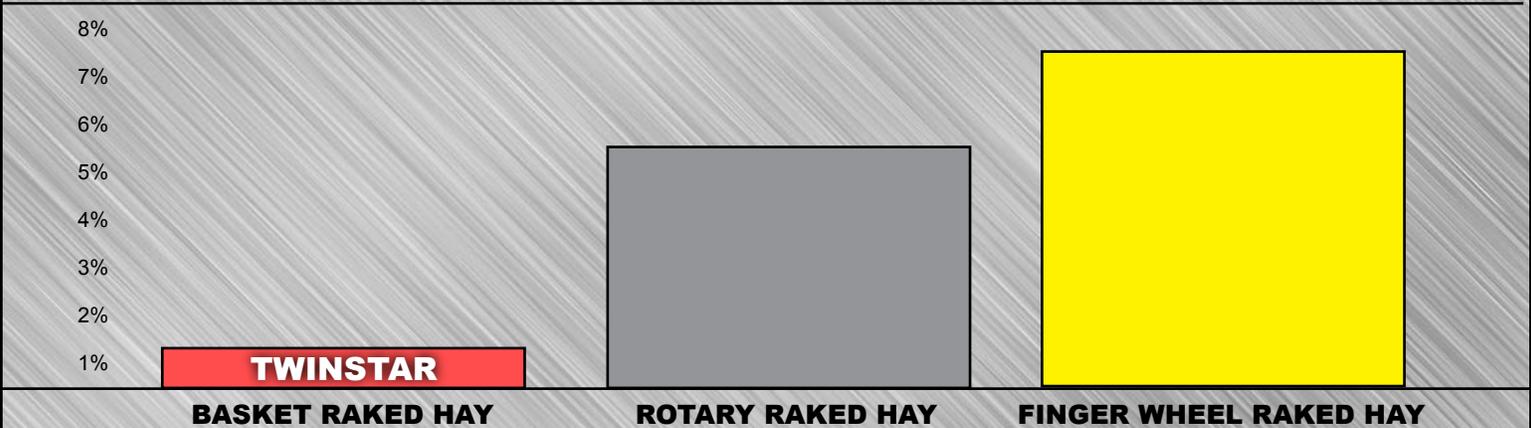
PARALLEL LINKAGE TORSION BASKET SUSPENSION



"Twinstar Basket Rakes pick up more crop, does not shatter leaves, make fluffier windrows which speeds up drying time, does not rope the hay, and produces cleaner hay."

Twinstar Rake Owner, Basin City, WA

FIELD TEST RESULTS SHOW PERCENTAGE OF CONTAMINANTS IN RAKED HAY



Field test conducted by corporate farm in 2004 measuring the percentage of contaminants in raked hay using the following comparable width hay rakes: 5-Bar Basket Rakes, Rotary Rake and Finger Wheel Rake. Results vary due to equipment settings and field & crop conditions.



SLIDE TUBES WITH 3 BASKET POSITIONS FOR OFFSETTING BASKETS



OFFSET DUAL WHEELS FOR MORE STABILITY

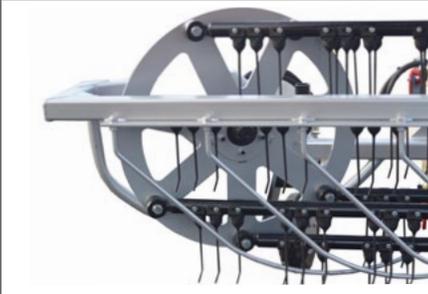


SELF-ALIGNING IDLER HUBS



DOUBLE EXTENSION TUBES FOR ADDED STRENGTH

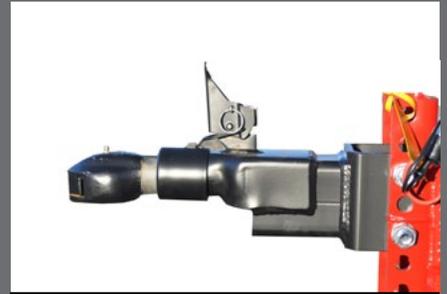
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**BASKETS EQUIPPED WITH
OPTIONAL FULL TINES**



**FRONT & REAR GAUGE WHEELS
WITH TORSION AXLE SUSPENSION**



OPTIONAL 2-5/16" BALL HITCH

MODEL	2027G3-7	2030G3-7
SLIDE TUBES	Double Pair	Double Pair
MAXIMUM RAKING WIDTH	Up to 27'	Up to 30'
TRANSPORT WIDTH	10' - 9"	10' - 9"
OVERALL LENGTH	19' - 5"	20' - 2"
APPROXIMATE WEIGHT	5100 lbs.	5600 lbs.
TIRE SIZE	(4) LT235/75R15	(4) LT235/75R15
RUBBER MOUNTED TINES	Standard: 154 per basket Optional: 224 per basket	Standard: 175 per basket Optional: 259 per basket
BASKET REEL SPEED	Maximum 90 RPM	Maximum 90 RPM
TINE BAR BEARINGS	Precision Sealed ball bearings	Precision Sealed ball bearings
HYDRAULIC REQUIREMENT	12 gallons/minute @ 2000 PSI Tractor with single hydraulic remotes	12 gallons/minute @ 2000 PSI Tractor with single hydraulic remotes
OPERATING SPEED	Up to 10 MPH	Up to 10 MPH
GAUGE WHEELS	Optional Front and Rear	Optional Front and Rear

Optional equipment includes: Front and rear gauge wheels (highly recommended), full tines (for lighter crop conditions), 2-5/16" ball hitch, basket angle stop kit and walking beams.



OPTIONAL BASKET ANGLE STOP KIT



TOOL STORAGE BOX



**OPTIONAL WALKING BEAMS
TRANSPORT POSITION**

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