

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

NSTAR GENERATION 3







EQUIPPED WITH HEAVY-DUTY HIGH TORQUED MOTORS



FASTER RAISING AND LOWERING OF BASKETS

7-FUNCTION ELECTRIC HYDRAULIC VALVE

7-FUNCTION CONTROL BOX



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



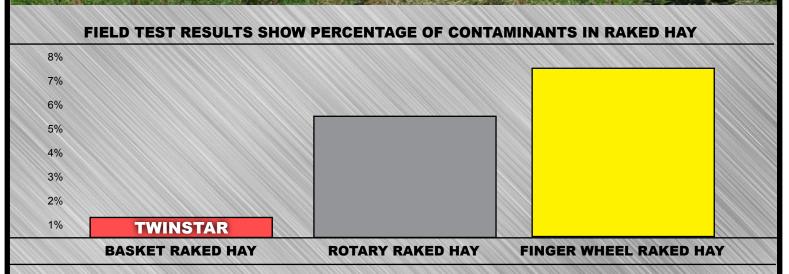
HEAVY-DUTY BASKET PIVOT w/ UHMW SHIMS -SHEAR BOLT PROTECTED



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 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 | 12 gallons/minute @ 2000 PSI |
| | Tractor with single hydraulic remotes | 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





OPTIONAL WALKING BEAMS TRANSPORT POSITION

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