

GENERATION 2

TWINSTAR

7 BAR SERIES: Maximum 27' & 30' Raking Widths



Model 2030G2-7 equipped with Optional Gauge Wheels

Designed for Windrowers with Headers up to 16' -18'

- 7 Bar Series rakes are equipped with 30% larger drive and idler wheels than 5 bar rakes
- 7 Bar Baskets make fluffier, more uniform windrows for faster drying time
- 7 Tine Bar design allows for higher ground speeds
- 7 Bar 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



DOUBLE EXTENSION TUBES



7 BAR WINDROW



NEW 7 BAR BASKET

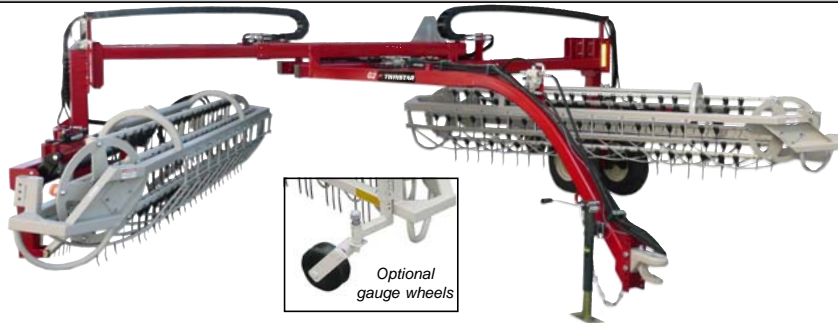
7 Bar Generation 2 TWINSTAR is the ultimate hay rake for today's commercial hay growers. TWINSTAR rakes produce the cleanest and highest quality hay possible. 7-bar baskets feature 30" diameter drive & idler wheels laser cut from 3/8" high strength steel. Heavy-duty motors are standard equipment. Streamlined rake mainframe is equipped with double slide tubes for added strength. Basket frames are designed for durability and are equipped with gauge wheel mounting brackets front & rear. Optional 12" diameter gauge wheels feature torsion axle suspension, and are pin adjustable (gauge wheels are highly recommended). Generation 2 rakes are equipped with unique "Hose Trac" system providing total hose protection when extending and closing basket extension tubes. Optional equipment includes full tines, 2-5/16" ball hitch, 4 hose kit, 6 function hydraulic valve in lieu of standard 5 function valve (enables baskets to raise and lower independently), extra heavy duty motors in lieu of heavy duty motors, split hydraulic manifold (separates basket motor function from cylinder function which allows operator to raise baskets without motors running. Requires tractor with dual hydraulic remotes). TWINSTAR Rakes produce consistent uniform windrows with less dirt, rocks and debris than traditional wheel and rotary rakes.

TWINSTAR Basket Rakes Produce Superior Quality Hay!

GENERATION 2

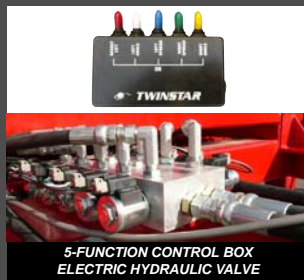
TWINSTAR

5 BAR SERIES: Maximum 24' Raking Width



Designed for Windrowers with 12'-14' Headers

- Model 2024-G2 rake mainframe is equipped with double extension tubes for added strength
- 'HoseTrac' system provides hose protection when extending and closing basket extension tubes
- Baskets are equipped with 24" diameter drive and idler wheels, laser cut from 3/8" high strength steel
- New basket frames are equipped with gauge wheel mounting brackets front and rear (optional gauge wheels are recommended)



5-FUNCTION CONTROL BOX
ELECTRIC HYDRAULIC VALVE



OFFSET DUAL WHEELS



TORSION BASKET SUSPENSION

New 2024-G2 Hydraulic Folding Basket Rake is designed to handle a variety of hay crops and is ideal for windrowers with headers up to 14' wide. This rake has many of the same rugged features of the Generation 2, 27' & 30' models. 5 bar baskets are designed for durability and are equipped with 24" diameter drive & idler wheels that are laser cut from 3/8" high strength steel with self aligning idler hubs. The streamlined mainframe includes double slide tubes for added strength and is equipped with a unique "Hose Trac" system providing total hose protection when extending and closing basket extension tubes. 2024-G2 Rake is equipped with a 5-function electric hydraulic valve that works in conjunction with tractor hydraulics (dual hydraulic remotes required). Optional equipment includes: front and rear torsion axle suspension gauge wheels (gauge wheels are highly recommended), full tines, and 2-5/16" ball hitch. Twinstar Rakes are gentle on hay and produce consistent uniform windrows with less dirt, rocks and debris than traditional wheel and rotary rakes.

Twinstar Basket Rakes Produce Superior Quality Hay!

GENERATION 2 TWINSTAR

5 BAR SERIES: Maximum 27' & 30' Raking Widths



MODEL 207G2-5 equipped with Optional Gauge Wheels



Optional Ball Hitch

Designed for Windrowers with Headers up to 16' -18'

- New 5-bar series rakes include streamlined mainframe equipped with double extension tubes for added strength
- New 24" diameter Drive and Idler wheels are laser cut from 3/8" high strength steel
- New tubular designed basket frames are built for maximum durability and equipped with gauge wheel mounting brackets front and rear (optional gauge wheels are recommended)
- 'HoseTrac' system provides hose protection when extending and closing basket extension tubes



5-FUNCTION CONTROL BOX
ELECTRIC HYDRAULIC VALVE



PARALLEL LINKAGE TORSION
BASKET SUSPENSION



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

5 Bar Generation 2 TwinStar Basket Rakes are designed to produce the highest quality hay possible. 5-bar baskets feature 24" diameter drive & idler wheels that are laser cut from 3/8" high strength steel. The new streamlined rake mainframe has been redesigned and equipped with double slide tubes for added strength. New basket frames are designed for durability and are equipped with gauge wheel mounting brackets front & rear. Optional 10" diameter gauge wheels feature torsion axle suspension, and are pin adjustable (gauge wheels are highly recommend). Generation 2 rakes are equipped with unique "Hose Trac" system providing total hose protection when extending and closing basket extension tubes. Optional equipment includes full tines, 2-5/16" ball hitch, 4 hose kit, 6 function hydraulic valve in lieu of standard 5 function valve (enables baskets to raise and lower independently), heavy duty motors in lieu of standard duty motors, split hydraulic manifold (separates basket motor function from cylinder function which allows operator to raise baskets without motors running. Requires tractor with dual hydraulic remotes). TwinStar Rakes produce consistent uniform windrows with less dirt, rocks and debris than traditional wheel and rotary rakes.

TwinStar Basket Rakes Produce Superior Quality Hay!

BASKET RAKES PRODUCE SUPERIOR QUALITY HAY!



SELF ALIGNING IDLER HUBS



"HOSE TRAC" HOSE PROTECTION



HYD. MOTORS MOUNT TO A HEAVY-DUTY BEARING HOUSING

- 27' & 30' models are equipped with specially designed hydraulic manifold which limits flow to hydraulic motors and valve, providing exceptional protection to the rake's hydraulic system. Requires only 12 gallons per minute to operate the rake.
- Basket rake assemblies are equipped with torsion axles which provide a superior suspension versus spring protection
- 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 and reliability
- 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
- Equipped w/ 5 function electric-hyd. valve for ease of operation. 6 function electric-hyd. valve is optional on 27' & 30' models.
- Rake design includes double extension tubes for increased strength. The interior walls of the outer tubes are equipped with UHMW strips to reduce friction and insure a smooth operation.
- Generation 2 Rakes are equipped with unique "Hose Trac" system that provides total hose protection when extending and closing the basket extension tubes.
- Basket assemblies are shear bolt protected.

SPECIFICATIONS

MODELS	2027G2-7	2030G2-7	2027G2-5	2030G2-5	2024-G2
SLIDE TUBES	Double Pair	Double Pair	Double Pair	Double Pair	Double Pair
MAX. RAKING WIDTH	Up to 27'	Up to 30'	Up to 27'	Up to 30'	Up to 24'
TRANSPORT WIDTH	10'-9"	10'-9"	10'-9"	10'-9"	135" (103")
OVERALL LENGTH	19'-5"	20'-2"	19'-1"	19'-10"	18'
WEIGHT	5100	5600	4300	4450	3500
TIRE SIZE	(4) LT235/75R15	(4) LT235/75R15	(4) LT235/75R15	(4) LT235/75R15	(4) ST205/75R15
RUBBER MOUNTED TINES	Standard:154/Basket Optional: 224/Basket	Standard:175/Basket Optional: 259/Basket	Standard:105/Basket Optional:155/Basket	Standard:120/Basket Optional: 180/Basket	Standard:105/Basket Optional:155/Basket
BASKET REEL SPEED	Maximum 90 RPM	Maximum 90 RPM	Maximum 90 RPM	Maximum 90 RPM	Maximum 90 RPM
TINE BAR BEARINGS	Precision sealed ball bearings	Precision sealed ball bearings	Precision sealed ball bearings	Precision sealed ball bearings	Precision sealed ball bearings
HYDRAULIC REQUIREMENT	12 gallons/minute @ 2000 psi	12 gallons/minute @ 2000 psi	12 gallons/minute @ 2000 psi	12 gallons/minute @ 2000 psi	12 gallons/minute @ 2000 psi
OPERATING SPEED	Up to 10 mph	Up to 10 mph	Up to 8 mph	Up to 8 mph	Up to 8 mph
GAUGE WHEELS	Opt. Front & Rear	Opt. Front & Rear	Opt. Front & Rear	Opt. Front & Rear	Opt. Front & Rear
BALL HITCH 2-5/16"	Optional	Optional	Optional	Optional	Optional

Specifications subject to change without notice