

# **International Balers**

## **The fastest route to the barn**





# International D range Balers The 'D'stands for dependable

With the 425D, 435D and 445D, the farmer now has a choice of three of the most dependable balers on the market.

Every passing summer seems to mean less sun and more rain. The time to harvest and bale becomes a very precious commodity. That's why every profit minded farmer needs an International baler.

A machine with the capacity to suit his needs.

A machine that gets the crop to the barn in one clean sweep.

No hitches, No delays. Just clinical efficiency giving you the fastest route to the barn.





# A gentle mouth, a big appetite

All the balers in the International range have been developed to preserve the crop at its best.

That means careful handling at speed, to prevent leaf damage and loss of nutrients. To this end every International baler has a wide mouth, comprising closely spaced spring steel tines protected by rigid stripper bars which sweep the windrow clean and feed the crop to a floating short auger. One positive movement lifting maximum crop. Extra room in the mouth allows the crop to settle in and allows for the inevitable variations in the size of windrow as the baler moves along.

This extra capacity helped by the floating auger means the crop is fed into the machine at an even rate, ensuring a better bale.



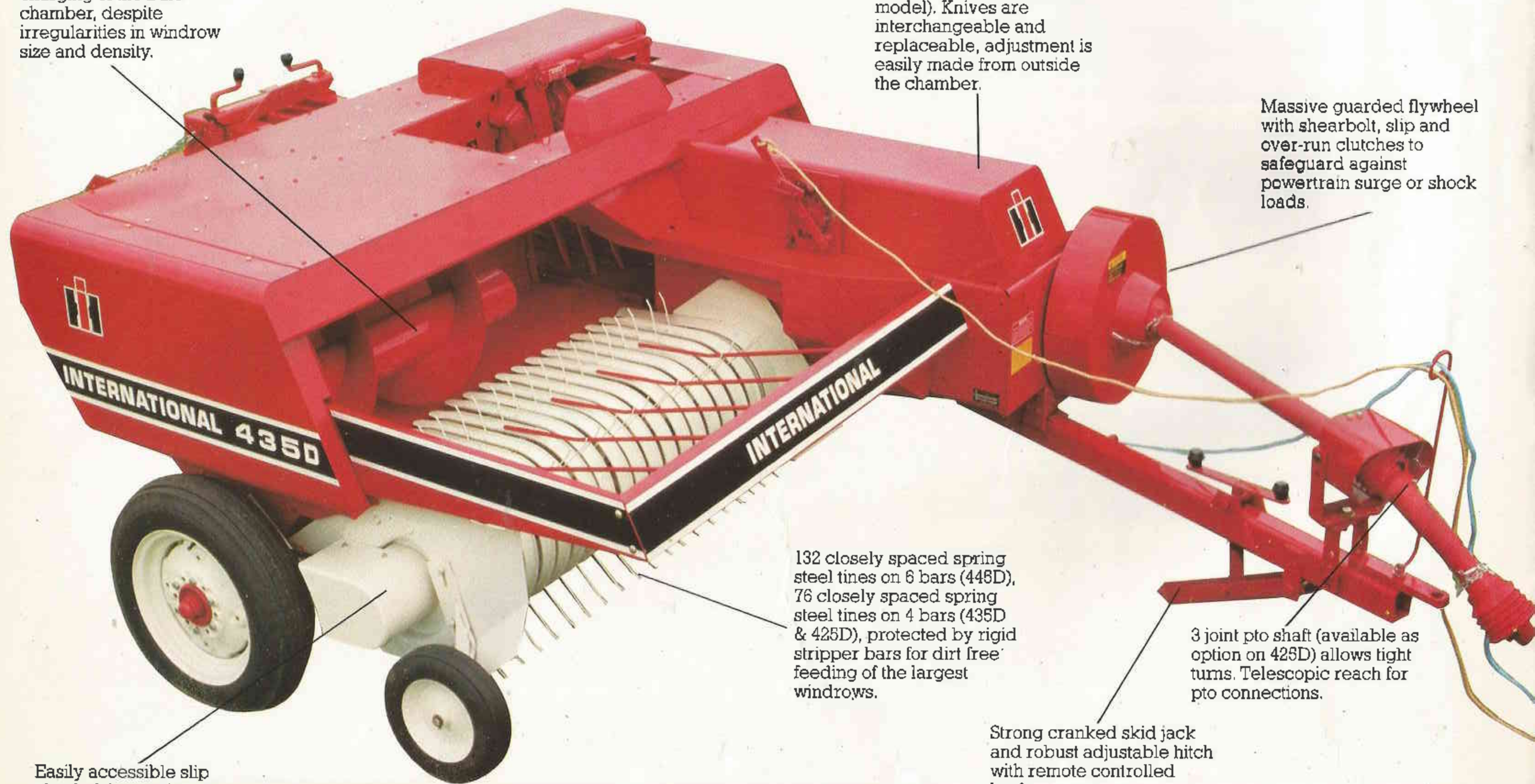


# Take a close look at

The short fully floating auger with direct belt drive and large crop reserve area ensures even charging of the bale chamber, despite irregularities in windrow size and density.

Straddle mounted long stroke crank, drives plunger running on roller bearings, steel slides and wear blocks (according to model). Knives are interchangeable and replaceable, adjustment is easily made from outside the chamber.

Massive guarded flywheel with shearbolt, slip and over-run clutches to safeguard against powertrain surge or shock loads.



Easily accessible slip clutch drive to pickup.

132 closely spaced spring steel tines on 6 bars (445D), 76 closely spaced spring steel tines on 4 bars (435D & 425D), protected by rigid stripper bars for dirt free feeding of the largest windrows.

3 joint pto shaft (available as option on 425D) allows tight turns. Telescopic reach for pto connections.

Strong cranked skid jack and robust adjustable hitch with remote controlled latch.



# International balers

Heavy duty gearbox with precision spiral bevel gears.

Strong shaft-drive packer fingers have a 3 position adjustment for packing uniformity. Shearbolt protection to cushion shock loads plus relief spring on the 435D and 445D.

Star metering wheel with slip-proof rack and pinion trip mechanism for accurate bale length control.

Weather tight easy access to the twine chest and reserve shearbolts.

Twin coil springs for consistent bale density adjustment (1 leaf spring on 425D). A bale counter is standard equipment.

Sturdy all welded bale chamber with twine and groovers, to positively locate and protect the twine against abrasion from mechanical handling.

Heavy duty axles with tapered roller bearings.

Twin precision Deering type knotters accommodate most types of twine in varying widths and strengths with only three infrequent external adjustments for wear (wire twisters optional on 445D). Twine knives are replaceable.

Twin nodular iron needles are protected by a shearbolt and underslung guard. Knotter shaft brake prevents needle drift into the bale chamber between tying operations.



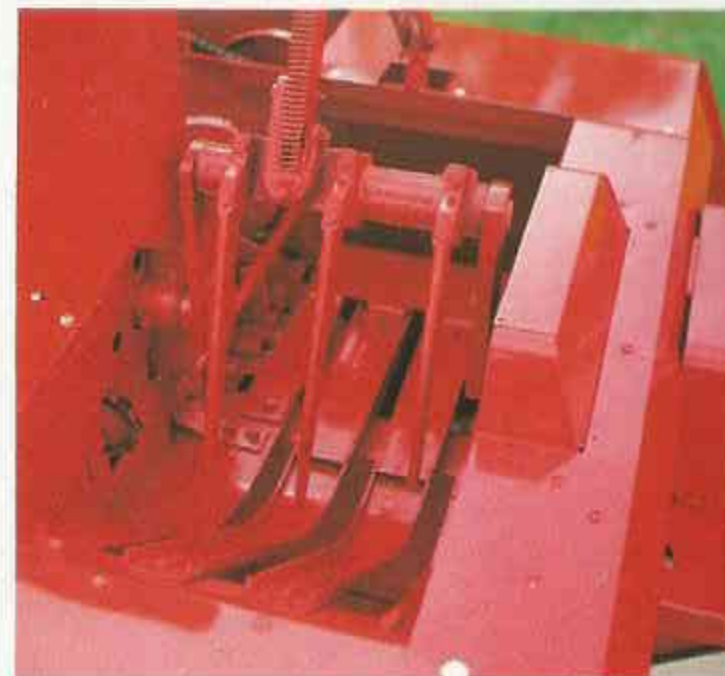


# Packing in and tying up

The strong shaft driven packer fingers which take the crop from the auger have a three position adjustment for packing uniformity. Any sudden change in crop load on the 435D and 445D is accommodated by a relief spring. All models have the added protection of a shearbolt. Once in the bale chamber a straddle-mounted long-stroke plunger crank compresses the crop at up to 85 strokes per minute, whilst precise steel plunger knives cut with a scissor-like shearing action. The plunger knives are interchangeable and replaceable for a longer working life and smoother, quieter running.

Twin precision Deering-type knotters retain the twine throughout the tying cycle and mechanically actuated tucker fingers positively place it in the correct position for tying. The knot is mechanically stripped from the billhook by a stripper arm which carries the replaceable twine knife. There are groovers located in the bale chamber which make a slight depression in the bale to locate and protect the twine from abrasion.

Onward and outward travels the bale. Shaped to the exact size and correct density required, it is now ready for carting.





# International balers do it better

"We do it better," is a claim made by most manufacturers of farm machinery. So next time you're looking at balers ask a few important questions.

Is the transmission guarded with shearbolt, slip and over-run clutches to safeguard against power train surge or shock loads?

Is it a heavy duty gearbox and does it have precision spiral bevel gears?

Is the bale chamber constructed of heavy duty steel for a long, trouble-free life?

Is it a specially designed heavy duty axle incorporating precision tapered roller bearings?

Ask these questions of an International dealer and he'll answer 'yes' to every one. Just some of the reasons so many farmers rely on International expertise to get the crop baled year after year with almost boring dependability.

**Back up all the way.** The many failsafe devices of every International baler, like shearbolts and slip clutches, means that your machine is protected from severe damage caused by accident or misuse.

Every time your baler goes to work you're sure of a ready backup service from the International Dealer network.

This Dealer network will also supply you with everything from factory trained engineers to optional attachments for all three models.

There's a lot more behind International balers than perfect bales.





# Technical Data



Made to exacting IH specifications, these twines are designed to get the best possible performance from your baling equipment, to keep you moving when time counts.

*This literature has been published for world-wide circulation and as availability of equipment builds vary, according to the country in which the equipment is to be used, the illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your International Distributor/Dealer will be able to give you details of the products and their specifications, available in your area.*

*The company's policy is one of continuous improvement and development, therefore specifications are subject to change without notice. Whilst every effort is made to uphold accuracy within literature, the company accepts no responsibility for discrepancies which may occur between the specifications of its machines and the descriptions thereof contained in its publications.*

## 425D 435D 445D

Bale Chamber Size:	356 x 457mm (14 x 18in)	356 x 457mm (14 x 18in)	356 x 457mm (14 x 18in)
Bale Length:	305 to 1321mm (12 to 52in)	305 to 1321mm (12 to 52in)	305 to 1321mm (12 to 52in)
Bale Weight in Hay: (approx.)	Twine: up to 31kg (70lb)	Twine: up to 31kg (70lb)	Twine: up to 31kg (70lb) Wire: up to 36kg (80lb)
Chamber Feed Opening:	1741cm <sup>2</sup> (270in <sup>2</sup> )	1741cm <sup>2</sup> (270in <sup>2</sup> )	1741cm <sup>2</sup> (270in <sup>2</sup> )
Plunger Strokes/Min:	75	75-85	75-85
Plunger, Guide Type:	2 Rollers, 3 Steel Slides 1 Wear Block	7 Rollers, 1 Wear Block	7 Rollers, 1 Wear Block
Effective Pickup Width:	1.5m (59in)	1.5m (59in)	1.7m (67in)
Pickup Cylinder: No of Bars:	4	4	6
No. of Tines:	76	76	132
PTO Type:	2 Joint	3 Joint	3 Joint (Heavy Duty)
Height:	1490mm (58in)	1490mm (58in)	1490mm (58in)
Length: (Transport Position)	3960mm (155in)	4850mm (191in)	4850mm (191in)
Width:	2440mm (96in)	2440mm (96in)	2720mm (104in)
Weight: (approx.)	1270kg (2794lb)	1447kg (3190lb)	1492kg (3290lb)
Crop Guard Tines:	6	6	7
Tyres: Left Wheel	6.00-16 6PR	6.50-16 6PR	6.50-16 6PR
Right Wheel	5.00-16 6PR	5.50-16 4PR	5.50-16 4PR
Knotters:	Deering Type	Deering Type	Deering Type
Twisters: (445D only)	—	—	Non slip four wire, three turn twist

ATTACHMENTS: Trailer Hitch, Sledge Hitch, Pickup Gauge Wheel, Bale Chute, Remote Control Pickup Lift, Wheel Relocator, Road Lighting.

Wide Wheels: 10.50-16 6PR (LH Side) - 435D and 445D 10.75-15 6PR (LH Side) - 425D  
3 Joint PTO - 425D



**INTERNATIONAL HARVESTER**