

Backsaver Auger

Models :: 10" and 13"

bühler



INNOVATION AND DESIGN

Buhler Farm King has been building a wide range of grain handling equipment for decades. The Backsaver Auger represents the pinnacle of auger design and innovation, with many sizes and lengths, and standard and optional features, to best suit modern agricultural operations.

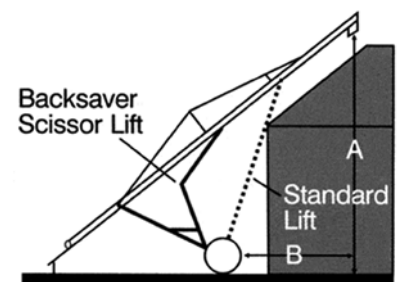


MODEL	Y1050	Y1060	Y1070	Y1080*	Y1370	Y1385	Y1395*
Size	10" x 50'	10" x 60'	10" x 70'	10" x 80'	13" x 70'	13" x 85'	13" x 95'
Tubing	Top sections and swing-away auger - 13 gauge; center & bottom section (all lengths) - 12 gauge				All sections 12 gauge		
Flighting	¼" flighting in standard hopper and input box 7 gauge in multi flighting, in swing-away and main auger				¼" flighting in swing-away and main auger		
Flighting shaft	11 gauge, 2 ¾" diameter				11 gauge, 2 ¾" diameter		
Undercarriage	3" x 3" x ⅛" square tube				70' - 3 ½" x 3 ½" x ⅜" square tube; 85' and 95' - 4" x 4" x ¼" square tube		
Lift arms	2" x 5" x ⅜" tube				¼" formed tubing upper, 7 gauge lower		
Bridging	⅜" cable on 50' and 60' models, ½" cable on 70' and 80' models				½" cable		
Wheels and hubs	15" with 5 bolt automotive type hubs and bearings				15" with 6 bolt automotive type hubs and bearings		
Swing auger drive	Two internal gearboxes (PTO driven), sprocket and chain				Two internal gearboxes (PTO driven), sprocket and chain		
Hopper dimensions	43 ½" x 60"				43 ½" x 60"		
Standard hopper height from ground*	15 ¼" at heel end, 14 ¼" at other end				16 ¾" at heel end, 16 ¼" at other end		
Multi flighting hopper height from ground*	11 ¾" at both ends				12 ¾" at both ends		
Tractor requirements							
- min. PTO HP (w/540 RPM PTO)	40	48	55	65	80	90	100
- approx. hydraulic requirements for lift	1000 PSI	1000 PSI	1000 PSI	1000 PSI	1200 PSI	1200 PSI	1200 PSI
Hitch weight	-	-	840 lbs	-	1140 lbs	1270 lbs	-
Weight	2545 lbs	2987 lbs	3354 lbs	3622 lbs	5175 lbs	6381 lbs	6683 lbs

*not including rubber spill guard

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Wheel track	9'	10'	12'	12'	12'	12'	12'
A, height †							
- lowest	11' 2"	11' 3"	12' 6"	13' 6"	13' 7"	13' 8"	14' 8"
- half way	23' 6"	27' 6"	30' 3"	34' 3"	31' 9"	36' 6"	40' 6"
- highest	36'	43' 8"	48'	55'	50'	59' 6"	66' 4"
B, forward reach							
- lowest	26'	30' 3"	35' 8"	45' 7"	36' 11"	45' 4"	55' 4"
- half way	-	-	33' 5"	41' 10"	33'	39' 8"	48' 3"
- highest	18'	22' 3"	27' 10"	34' 9"	27' 5"	31' 10"	38' 9"

† All measurements taken with 18" hitch height. 'A' lowest is overall transport height, half way and highest are spout to ground measurements. *includes 10' extension.





[1] An optional hydraulic winch easily lifts the hopper into place for transport. The lever and hydraulic valve are mounted to the main auger tube for easy access.

[2] The hydraulic hopper mover option adds a powerful hydraulic motor to each of the inside wheels on the swing away hopper so the hopper can be positioned easily and with minimal effort. The control lever for the mover is mounted on the intake auger tube for easy access.

[3] The flighting on Buhler augers is is connected with square couplers, which eliminates broken shear bolts.



The self-leveling hopper on the swing-away auger remains level even when the main auger is elevated to its maximum height. A single flighting hopper is standard, while the optional dual flighting low-profile hopper reduces hopper height by more than 2 ½". The swing-away auger can be positioned on the right side or left side of the auger, adding flexibility for yards with limited space or restricted access. An optional power mover uses two hydraulic motors that move the swing-away auger, limiting the physical labor required.

The tapered thrust bearing at the top of the auger is torqued to remove pressure on the bottom end bearing for longer life and better wear. The flighting on all Buhler augers is connected with square couplers. Broken shear bolts on augers with round couplers can only be replaced after the auger has been manually emptied.

The square coupling in a Buhler auger allows the flighting to continue turning, minimizing downtime.

Buhler Backsaver Augers feature two internal gearboxes for the intake auger assembly. Easy to maintain and service, these gearboxes do not restrict auger capacity. Cleanout is simplified with an optional reverse kit and an underside access panel.

The scissor lift undercarriage, exclusive to Buhler Farm King Backsaver Augers, requires less hydraulic pressure to raise and lower the auger. The wide undercarriage is stable and solid while still meeting transportation requirements. When the auger is at the desired position, a shut-off valve on the underside of the tube limits the circulation of the hydraulics so the auger will maintain its height.



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