

Wishek

TILLAGE GUIDE





WISHEK: STRENGTH THROUGH INNOVATION



Harley and Carol Brandner founded Wishek Steel and Manufacturing in 1969 as a welding, repair, and custom manufacturing shop. In 1972, Wishek expanded into a new, more modern facility in southwest Wishek. The first spring model Wishek Disc was developed in 1977, and even more space was needed to accommodate the increased business and additional workforce.

Over the next 15 years, Wishek Steel and Manufacturing purchased the feed and forage line of equipment from Balzer Manufacturing and the ag line of tillage equipment from Miller Weeder Corporation and expanded the existing plant once again.

In 1995, Kim and Mitch Bosch, Harley and Carol's daughter and son-in-law, were brought into the business. Ownership transferred to the Bosches in 2003, and Harley and Carol started a much-deserved retirement.

In 2006, the Wishek line of disc harrows was added to the Wil-Rich equipment line. Then, in 2011, Wil-Rich formed a joint venture with AGCO, a leading worldwide provider of agricultural equipment. AGCO-Amity JV, LLC develops and distributes air seeding and tillage equipment under the Amity, Wil-Rich, and Wishek brands, as well as Challenger, Sunflower, and Massey Ferguson.

HEAVY-DUTY DISC HARROWS



With strength designed in every machine, Wishek disc harrows are heavy-duty machines that have the heaviest weight-per-blade specifications in the industry. This allows Wishek disc harrows to work in almost all soil conditions and crop residue. Disc gangs are set at an angle in order to mix residue regardless of field and residue conditions with just the right amount of soil to help create an ideal seed bed.

SINGLE-POINT DEPTH CONTROL



Single-point depth control allows the operating depth of the entire disc to be adjusted with a single setting. This simple adjustment, done at the front of the machine, is easy, safe, and precise. Single-point depth control is optional on all models.

WISHEK OFFSET DISC



The Wishek Offset Disc is for those customers seeking the time-tested, proven design of an offset disc, coupled with Wishek's reputation for building strong, heavy-duty discs. Wishek discs are the most reliable and lowest maintenance discs on the market. With nearly 1,000 pounds per foot (1,488 kg/m), the Wishek Offset Disc has the brute strength to penetrate in even the most demanding soil conditions.

Wishek offset discs are equipped with blades ranging between 24 and 32 inches (610 and 813 mm) and blade spacing from 10 to 13 inches (254 to 330 mm), optional scraper systems, and optional rock cushion.



An adjustable leveling system is standard equipment, allowing unit to be leveled front to back. An optional hydraulic leveler is available (shown).



Standard tires on Wishek Offset Disc models:

- 612N model: 11L x 15 tires
- 812N, 842N, & 862N models: 12.5L x 15
- 932N model: 385/65R 22.5 used truck tires



Wishek 812N-OCL Offset Disc features 28-inch (711 mm) blades on 11-inch (279 mm) spacing. The winged model comes with an OCL (Over Center Lock) system for complete leveling performance. The OCL system on the 812N unit prevents the disc wings from diving or lifting out of the ground by locking the wings rigid to the main frame.

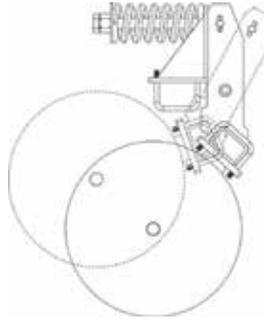


Wishek discs have an optional 3-bar coil tine harrow.



There are a number of options for disc scrapers, including:

- Standard flat scrapers
- Optional spool scrapers
- Optional bearing standard scrapers



Wishek Rock Cushion

Spring cushion models of the Wishek Offset Disc offer unique flexibility in their design. When a blade strikes a solid object, it travels in an arc of 6 inches (152 mm) rearward and 6 inches (152 mm) upward for a total of 12 inches (305 mm), letting it travel over and avoid damage from impact with that object.

WISHEK OFFSET DISC SPECIFICATIONS

MODEL #	WORKING WIDTH	# OF BEARINGS	# OF BLADES	TRANSPORT		WEIGHT LBS.		APPROX. WEIGHT LBS.
				WIDTH	HEIGHT	PER BLADE	PER FOOT	
Model 612N standard 24" x 5/16" (610 x 8 mm) blades, 26" x 5/16" (660 x 8 mm) optional, rigid bearing gang with 10" (254 mm) blade spacing								
612N-12 Non-Wing	13'1" (4 m)	6F, 6R	16F, 17R	14'10" (4.5 m)	6' (1.8 m)	294 (133 kg)	741 (336 kg)	9,699 (4,399 kg)
612N-14 Non-Wing	14'8" (4.5 m)	6F, 6R	18F, 19R	16'5" (5 m)	6' (1.8 m)	273 (124 kg)	688 (312 kg)	10,097 (4,580 kg)
612N-16 Non-Wing	16'3" (4.9 m)	8F, 7R	20F, 21R	17'11" (5.5 m)	6' (1.8 m)	263 (119 kg)	662 (300 kg)	10,763 (4,882 kg)
612N-18 Non-Wing	17'10" (5.5 m)	8F, 7R	22F, 23R	19'6" (5.9 m)	6' (1.8 m)	245 (111 kg)	618 (280 kg)	11,016 (4,997 kg)
Model 812N standard 28" x 5/16" (711 x 8 mm) blades, 30" x 5/16" (762 x 8 mm) optional, rigid gang with 11" (279 mm) blade spacing								
812N-12 Non-Wing	12'8" (3.9 m)	5F, 5R	14F, 15R	14'6" (4.4 m)	7' (2.1 m)	356 (161 kg)	815 (370 kg)	10,329 (4,685 kg)
812N-14 Non-Wing	14'6" (4.4 m)	6F, 6R	16F, 17R	16'3" (4.9 m)	7' (2.1 m)	333 (151 kg)	757 (343 kg)	10,976 (4,979 kg)
812N-16 Non-Wing	16'2" (4.9 m)	7F, 6R	18F, 19R	18'0" (5.4 m)	7' (2.1 m)	312 (142 kg)	713 (323 kg)	11,526 (5,228 kg)
812N-18 Non-Wing	17'11" (5.5 m)	8F, 8R	20F, 21R	19'8" (6 m)	7' (2.1 m)	299 (136 kg)	685 (311 kg)	12,271 (5,566 kg)
812N-22 Wing	21'5" (6.5 m)	9F, 8R	24F, 25R	9'5" (2.9 m)	12'10" (3.9 m)	428 (194 kg)	979 (444 kg)	20,960 (9,507 kg)
812N-24 Wing	23'2" (7.1 m)	11F, 10R	26F, 27R	9'6" (2.9 m)	13'6" (4.1 m)	416 (189 kg)	952 (432 kg)	22,060 (10,006 kg)
812N-26 Wing	24'11" (7.6 m)	11F, 10R	28F, 29R	9'6" (2.9 m)	14'7" (4.4 m)	401 (182 kg)	917 (416 kg)	22,860 (10,369 kg)
Model 842N standard 28" x 5/16" (711 x 8 mm) blades, 30" x 5/16" (762 x 8 mm) optional, spring cushion gang with 11" (279 mm) blade spacing								
842N-10 Non-Wing	11'0" (3.4 m)	6F, 4R	12F, 13R	12'7" (3.9 m)	7' (2.1 m)	441 (200 kg)	1,003 (455 kg)	11,029 (5,003 kg)
842N-12 Non-Wing	12'8" (3.9 m)	6F, 6R	14F, 15R	14'4" (4.4 m)	7' (2.1 m)	433 (196 kg)	991 (450 kg)	12,550 (5,693 kg)
842N-14 Non-Wing	14'6" (4.4 m)	7F, 6R	16F, 17R	15'3" (4.6 m)	7' (2.1 m)	419 (190 kg)	954 (433 kg)	13,830 (6,273 kg)
842N-16 Non-Wing	16'2" (4.9 m)	9F, 8R	18F, 19R	17'10" (5.5 m)	7' (2.1 m)	398 (181 kg)	911 (413 kg)	14,720 (6,677 kg)
842N-18 Non-Wing	17'11" (5.5 m)	9F, 8R	20F, 21R	19'7" (6 m)	7' (2.1 m)	372 (169 kg)	851 (386 kg)	15,248 (6,916 kg)
Model 862N 30" x 5/16" (762 x 8 mm) blades/spring cushion gang with 13" (330 mm) blade spacing								
862N-12 Non-Wing	12'10" (3.9 m)	6F, 6R	12F, 13R	14'8" (4.5 m)	7' (2.1 m)	514 (233 kg)	1,002 (455 kg)	12,862 (5,834 kg)
862N-14 Non-Wing	14'11" (4.5 m)	6F, 6R	14F, 15R	16'6" (5 m)	7' (2.1 m)	475 (215 kg)	923 (419 kg)	13,762 (6,242 kg)
862N-16 Non-Wing	16'11" (5.2 m)	7F, 7R	16F, 17R	18'6" (5.6 m)	7' (2.1 m)	442 (201 kg)	863 (391 kg)	14,594 (6,620 kg)
862N-18 Non-Wing	18'11" (5.8 m)	8F, 8R	18F, 19R	20'7" (6.3 m)	7' (2.1 m)	413 (187 kg)	804 (365 kg)	15,271 (6,927 kg)
Model 932N 32" x 5/16" (813 x 8 mm) blade/rigid bearing gang with 13" (330 mm) blade spacing								
932N-10 Non-Wing	10'10" (3.3 m)	5F, 4R	10F, 11R	11'10" (3.6 m)	7' (2.1 m)	513 (233 kg)	1,183 (537 kg)	12,814 (5,812 kg)
932N-14 Non-Wing	13'11" (4.2 m)	6F, 5R	13F, 14R	15'8" (4.8 m)	7' (2.1 m)	544 (247 kg)	1,056 (479 kg)	14,693 (6,665 kg)
932N-16 Non-Wing	16'0" (4.9 m)	7F, 6R	15F, 16R	17'9" (5.4 m)	7' (2.1 m)	539 (244 kg)	1,045 (474 kg)	16,713 (7,581 kg)

WISHEK TANDEM DISC



The Wishek Tandem Disc is the industry's workhorse when it comes to heavy-duty discs. Wishek discs are manufactured to an industry-recognized level of performance that separates them from the competition. Wishek discs give you a powerful tool utilizing their rock cushion and 22.5 truck tires.



Spring cushion models of the Wishek Tandem Disc offer unique flexibility in their design. When a blade strikes a solid object, it travels in an arc of 12 inches (305 mm) rearward and upward, letting it travel over and avoid damage from impact with that object.



To assist in leveling the field and help create a better seedbed, add a 3-bar harrow. The tubular tooth bar harrow features $\frac{5}{16}$ x 26-inch-long tines (16 x 660 mm) for strength and durability.



Tires utilized on Wishek Tandem Disc models:

- Non-wing models: 12.5L x 15 load range F tires
- Folding wing models: 385/65R 22.5 used truck tires
- 8-bolt hubs on 14–30 feet (4.3–9.1 m)
- 10-bolt hubs on 34–38 feet (10.4–11.6 m)



Standard adjustable leveling system levels the unit front to rear. A hydraulic leveler is optional.



A heavy-duty rear implement hitch is optional for your towing requirements.



There are a number of options for disc scrapers, including:

- Standard flat scrapers
- Optional spool scrapers
- Optional bearing standard scrapers

WISHEK TANDEM DISC SPECIFICATIONS

**1 1⁵/₁₆" (49 mm) gang shaft with 214 re-lube bearing • 12.5L x 15 tires - 385/65R 22.50 used truck tires • Gang bolt wrench
Safety chain • Transport lighting • Adjustable leveling system**

MODEL #	WORKING WIDTH	# OF BEARINGS	# OF BLADES	TRANSPORT		WEIGHT LBS.		APPROX. WEIGHT LBS.	APPROX. POWER REQ'D
				WIDTH	HEIGHT	PER BLADE	PER FOOT		
Model 814NT standard 28" x 5/16" (711 x 8 mm) blades, 30" x 5/16" (762 x 8 mm) optional, rigid bearing gang with 11" (279 mm) blade spacing									
814NT-24 Wing	24' 7" (7.5 m)	10F, 10R	26F, 28R	13' 6" (4.1 m)	13' 6" (4.1 m)	443 (201 kg)	973 (441 kg)	23,912 (10,846 kg)	300-325 (224-242 kW)
814NT-26 Wing	26' 4" (8 m)	10F, 10R	28F, 30R	13' 6" (4.1 m)	14' 2" (4.3 m)	420 (191 kg)	925 (420 kg)	24,351 (11,045 kg)	270-350 (201-261 kW)
814NT-30 Wing	29' 9" (9.1 m)	12F, 12R	32F, 34R	14' 8" (4.5 m)	15' 10" (4.8 m)	407 (185 kg)	902 (409 kg)	26,837 (12,273 kg)	305-395 (227-295 kW)
814NT-34 Wing	33' 3" (10.1 m)	14F, 14R	36F, 38R	15' 10" (4.8 m)	15' 9" (4.8 m)	416 (189 kg)	926 (420 kg)	30,787 (13,965 kg)	355-460 (265-343 kW)
814NT-38 Wing	38' 6" (11.7 m)	16F, 16R	42F, 44R	15' 10" (4.8 m)	17' 9" (5.4 m)	385 (174 kg)	861 (391 kg)	33,131 (15,028 kg)	375-490 (280-365 kW)
Model 816NT standard 30" x 5/16" (762 x 8 mm) blades rigid gang with 13" (330 mm) blade spacing									
816NT-14 Non-Wing	14' 4" (4.4 m)	6F, 6R	12F, 14R	15' 11" (4.6 m)	7' 0" (2.1 m)	431 (196 kg)	782 (355 kg)	11,212 (5,086 kg)	160-225 (119-168 kW)
816NT-16 Non-Wing	16' 4" (5 m)	6F, 6R	14F, 16R	18' 5" (5.6 m)	7' 0" (2.1 m)	393 (178 kg)	722 (328 kg)	11,793 (5,349 kg)	195-260 (145-194 kW)
816NT-22 Wing	22' 6" (6.6 m)	8F, 10R	20F, 22R	12' 6" (3.8 m)	12' 10" (3.9 m)	537 (243 kg)	1003 (455 kg)	22,560 (10,233 kg)	260-350 (194-261 kW)
816NT-30 Wing	30' 9" (9.4 m)	14F, 12R	28F, 30R	14' 8" (4.5 m)	15' 10" (4.8 m)	463 (210 kg)	874 (396 kg)	26,861 (12,184 kg)	360-480 (269-358 kW)
816NT-34 Wing	34' 11" (10.6 m)	14F, 14R	32F, 34R	16' 0" (4.9 m)	15' 9" (4.3 m)	534 (242 kg)	887 (402 kg)	30,975 (14,050 kg)	420-560 (313-418 kW)
816NT-38 Wing	39' 0" (11.9 m)	16F, 14R	36F, 38R	16' 0" (4.9 m)	17' 9" (5.4 m)	566 (257 kg)	842 (382 kg)	32,825 (14,889 kg)	460-620 (343-462 kW)
Model 842NT standard 28" x 5/16" (711 x 8 mm) blades, 30" x 5/16" (762 x 8 mm) optional, spring cushion gang with 11" (279 mm) blade spacing									
842NT-14 Non-Wing	14' 2" (4.3 m)	6F, 6R	14F, 16R	15' 10" (4.8 m)	7' 0" (2.1 m)	440 (200 kg)	931 (422 kg)	13,185 (5,981 kg)	155-190 (116-142 kW)
842NT-16 Non-Wing	15' 10" (4.8 m)	8F, 6R	16F, 18R	17' 10" (5.4 m)	7' 0" (2.1 m)	415 (188 kg)	890 (404 kg)	14,095 (6,393 kg)	165-210 (123-157 kW)
842NT-22 Wing	22' 10" (7 m)	12F, 10R	24F, 26R	13' 11" (4.2 m)	12' 10" (3.9 m)	545 (247 kg)	1,193 (541 kg)	27,235 (12,354 kg)	230-300 (172-224 kW)
842NT-24 Wing	24' 7" (7.5 m)	12F, 10R	26F, 28R	13' 11" (4.2 m)	13' 6" (4.1 m)	516 (234 kg)	1,133 (514 kg)	27,841 (12,629 kg)	240-320 (179-239 kW)
842NT-26 Wing	26' 4" (8 m)	12F, 12R	28F, 30R	14' 10" (4.5 m)	14' 2" (4.3 m)	500 (227 kg)	1,102 (500 kg)	29,023 (13,165 kg)	260-335 (194-250 kW)
842NT-30 Wing	29' 9" (9.1 m)	14F, 14R	32F, 34R	17' 2" (5.2 m)	15' 6" (4.7 m)	477 (216 kg)	1,058 (480 kg)	31,482 (14,280 kg)	310-400 (231-298 kW)
842NT-34 Wing	33' 3" (10.1 m)	16F, 18R	36F, 38R	15' 10" (4.8 m)	15' 9" (4.3 m)	510 (231 kg)	1,135 (515 kg)	37,736 (17,117 kg)	340-445 (254-332 kW)
842NT-38 Wing	38' 6" (11.7 m)	18F, 20R	42F, 44R	15' 10" (4.8 m)	17' 9" (5.4 m)	540 (245 kg)	1,151 (522 kg)	44,300 (20,094 kg)	375-490 (280-365 kW)
Model 862NT standard 30" x 5/16" (762 x 8 mm) spring cushion gang blades with 13" (330 mm) blade spacing									
862NT-14 Non-Wing	14' 4" (4.4 m)	6F, 6R	12F, 14R	15' 11" (4.6 m)	7' 0" (2.1 m)	507 (230 kg)	920 (417 kg)	13,183 (5,980 kg)	170-225 (127-168 kW)
862NT-16 Non-Wing	16' 4" (5 m)	6F, 6R	14F, 16R	18' 5" (5.6 m)	7' 0" (2.1 m)	457 (207 kg)	840 (381 kg)	13,716 (6,222 kg)	195-260 (145-194 kW)
862NT-22 Wing	22' 6" (6.6 m)	10F, 10R	20F, 22R	13' 11" (4.2 m)	12' 10" (3.9 m)	643 (292 kg)	1,200 (544 kg)	27,011 (12,252 kg)	260-350 (194-261 kW)
862NT-26 Wing	26' 8" (8.1 m)	12F, 10R	24F, 26R	14' 10" (4.5 m)	14' 2" (4.3 m)	579 (263 kg)	1,085 (492 kg)	28,939 (13,127 kg)	320-430 (239-321 kW)
862NT-30 Wing	30' 9" (9.4 m)	14F, 12R	28F, 30R	17' 2" (5.2 m)	15' 10" (4.8 m)	554 (251 kg)	1045 (474 kg)	32,133 (14,575 kg)	360-480 (269-358 kW)
862NT-34 Wing	34' 11" (10.6 m)	16F, 14R	32F, 34R	16' 0" (4.9 m)	15' 9" (4.3 m)	571 (259 kg)	1,080 (490 kg)	37,711 (17,105 kg)	420-560 (313-418 kW)
862NT-38 Wing	39' 0" (11.9 m)	18F, 16R	36F, 38R	16' 0" (4.9 m)	17' 9" (5.4 m)	587 (266 kg)	1,113 (505 kg)	43,424 (19,697 kg)	460-620 (343-462 kW)