

PLANT SPACING INFORMATION FOR MOST MODEL'S OF TRANSPLANTERS

CHAIN SPACING CHART FOR REG. UNITS					
No. of teeth in sprocket	7	8	9	10	11
No. of pockets on chain 10 POCKETS	SETS 12" 30.48cm	SETS 14" 35.56cm	SETS 16" 40.64cm	SETS 18" 45.72cm	SETS 20" 50.8cm
8 POCKETS	16" 40.64cm	18" 45.72cm	20" 50.8cm	22" 55.88cm	24" 60.96cm
6 POCKETS	20" 50.8cm	22" 55.88cm	24" 60.96cm	26" 66.04cm	28" 71.12cm
5 POCKETS	24" 60.96cm	28" 71.12cm	32" 81.28cm	36" 91.44cm	40" 101.6cm
4 POCKETS	32" 81.28cm	36" 91.44cm	40" 101.6cm	44" 111.76cm	48" 121.92cm
3 POCKETS	40" 101.6cm	44" 111.76cm	48" 121.92cm	52" 132.08cm	56" 142.24cm
2 POCKETS	64" 162.56cm	72" 182.88cm	80" 203.2cm	88" 223.52cm	96" 243.84cm

Use for Models 122, 22, 22C, 222, 33, 300, 600 and CT 5.

SPACING CHART FOR DIRECT DRIVE 1000 UNIT WITH 12 POCKET CHAIN						
Sprocket on OUTSIDE of Jackshaft	Sprocket on INSIDE of Jackshaft	Number of Teeth on Sprocket on Unit				
		7	8	9	10	11
7	11	6" 15.2 cm	6 1/2" 17.8 cm	7 1/8" 20.3 cm	8 1/2" 21.6 cm	9" 22.8 cm
7	7	9" 22.8 cm	10 1/2" 26.7 cm	13" 33 cm	15" 38.1 cm	16" 40.6 cm
8	7	10 1/2" 26.7 cm	12 1/2" 31.7 cm	14" 35.5 cm	15" 38.1 cm	16" 40.6 cm
9	7	12" 30.5 cm	13 1/2" 34.3 cm	15" 38.1 cm	17" 43.2 cm	18 1/2" 47 cm
10	7	13" 33 cm	14" 35.5 cm	15 1/2" 39.4 cm	17 1/2" 44.5 cm	20" 52 cm
11	7	15" 38.1 cm	18" 45.7 cm	20" 50.8 cm	22" 55.9 cm	24" 61 cm

Double any of the above spacings by using every other pocket (6 pocket).
Make sure HITCH and UNIT are level or parallel to the ground when planting.

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SPACING CHART FOR MODEL 4000 WITH DIRECT DRIVE						
Sprocket on OUTSIDE of Jackshaft	Sprocket on INSIDE of Jackshaft	Number of Teeth on Sprocket on Unit				
		7	8	9	10	11
7	11	7 1/2" 19 cm	8 1/2" 21.6 cm	10" 25.4 cm	11" 28 cm	12" 30.5 cm
7	7	12" 30.5 cm	13" 33 cm	14" 35.5 cm	15" 38.1 cm	16" 40.6 cm
8	7	13" 33 cm	14 1/2" 36.8 cm	16" 40.6 cm	18" 45.7 cm	20" 50.8 cm
9	7	15" 38.1 cm	17" 43.2 cm	19" 48.3 cm	22" 55.9 cm	24" 61 cm
10	7	16" 40.6 cm	18 1/2" 47 cm	21" 53.3 cm	24" 61 cm	26" 66 cm
11	7	19" 48.3 cm	21" 53.3 cm	23" 58.4 cm	26" 66 cm	29" 73.7 cm

Spacings may vary slightly due to soil conditions. Make sure the Floating Hitch is parallel to the ground when starting to plant.

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SPACING CHART FOR MODEL 4000 WITH DIRECT DRIVE AND SPECIAL 14 TOOTH WHEEL SPROCKET						
Sprocket on OUTSIDE of Jackshaft	Sprocket on INSIDE of Jackshaft	Number of Teeth on Sprocket on Unit				
		7	8	9	10	11
7	11	5" 12.7 cm	6" 15.2 cm	7" 17.8 cm	8" 20.3 cm	9" 22.9 cm
7	7	8" 20.3 cm	9" 22.9 cm	10 1/2" 26.7 cm	12" 30.5 cm	13" 33 cm
8	7	10 1/2" 26.7 cm	12" 30.5 cm	13" 33 cm	15" 38.1 cm	16" 40.6 cm
9	7	11" 28 cm	13" 33 cm	14" 35.5 cm	16" 40.6 cm	18" 45.7 cm
10	7	13" 33 cm	15" 38.1 cm	16 1/2" 41.9 cm	18" 45.7 cm	20" 50.8 cm
11	7	13 1/2" 34.4 cm	15 1/2" 39.4 cm	18" 45.7 cm	19 1/2" 49.5 cm	22" 55.8 cm

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DISC SPACING CHART					
No. of teeth on sprocket	7	8	9	10	11
No. of pockets on disc 24-R-2 Pockets #500 U & 100S units only	SETS 2" 5.08cm	SETS 2 1/2" 6.35cm	SETS 3" 7.62cm	SETS 3 1/2" 8.89cm	SETS 4" 10.16cm
20-R-2 Pockets #500U & 100S units only	3" 7.62cm	3 1/2" 8.89cm	4" 10.16cm	4 1/2" 11.43cm	5" 12.7cm
16-R-2 Pockets #500U & 100S units only	4" 10.16cm	4 1/2" 11.43cm	5" 12.7cm	5 1/2" 13.97cm	6" 15.24cm
12-V-3 Pockets (Optional)	4 1/2" 11.43cm	5" 12.7cm	5 1/2" 13.97cm	6" 15.24cm	6 1/2" 16.51cm
10-V-3 Pockets (Standard)	5 1/2" 13.97cm	6 1/4" 15.875cm	7" 17.78 cm	7 3/4" 19.685cm	8 1/2" 21.59cm
8-V-3 Pockets (Standard)	7" 17.78cm	7 3/4" 19.685cm	8 1/2" 21.59cm	9 1/4" 23.495cm	10" 25.4cm
6-V-3 Pockets (Special Order)	9" 22.86cm	10" 25.4cm	11" 27.94cm	12" 30.48cm	13" 33.02cm
5-V-3 Pockets (Standard)	11" 27.94cm	12 1/2" 31.75cm	14" 35.56cm	15 1/2" 39.37cm	17" 43.18cm
4-V-3 Pockets (Standard)	14" 35.56cm	15 1/2" 39.37cm	17" 43.18cm	18 1/2" 46.99cm	20" 50.8cm
3-V-3 Pockets (Order 6 pocket disc)	18" 45.72cm	20" 50.8cm	22" 55.88cm	24" 60.96cm	26" 66.04cm

Use for Models 122, 22, 22C, 222, 33, 300, 600, SU 3, 100, 500 and 525.

CHAIN SPACING CHART FOR MODEL 1000 TRANSPLANTER					
No. of teeth in sprocket	7	8	9	10	11
No. of pockets on disc 12 Pockets	SETS 12" 30.48cm	SETS 14" 35.56cm	SETS 16" 40.64cm	SETS 18" 45.72cm	SETS 20" 50.8cm
6 Pockets	24" 60.96cm	28" 71.12cm	32" 81.28cm	36" 91.44cm	40" 101.6cm
4 Pockets	36" 91.44cm	42" 106.68cm	48" 121.92cm	54" 137.16cm	60" 152.4cm
3 Pockets	48" 121.92	56" 142.24cm	64" 162.56cm	72" 182.88cm	80" 203.2cm

MODEL 4000 SPACING CHART

Roller Chain Sprockets on:		Number of Teeth on Spacing Sprockets				
REAR JACKSHAFT	GEAR BOX	7	8	9	10	11
*22	*10	5 1/2" 13.97 cm	6 1/4" 16.51 cm	7 1/4" 19.05 cm	8 1/2" 21.59 cm	9 1/2" 24.13 cm
14	12	10" 25.40 cm	12" 30.48 cm	13 1/2" 34.29 cm	15" 38.10 cm	16" 40.64 cm
14	*18	15 1/2" 39.37 cm	17 1/2" 44.45 cm	20" 50.80 cm	22" 55.88 cm	23" 58.42 cm
14	*26	23" 58.42 cm	27 1/2" 69.85 cm	30 1/2" 77.47 cm	33 1/2" 85.09 cm	36" 91.44 cm

The 14 tooth sprocket on the jackshaft and 12 tooth on the gear box are STANDARD unless you specify your choice of another range as standard.

*=OPTIONAL Sprockets (10, 18, 22 and 26)
The complete set of Spacing Sprockets shown above come with each unit.

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MODEL 6000 SPACING CHART						
Roller Chain Sprockets on:		Number of Teeth on Spacing Sprockets				
REAR JACKSHAFT	GEAR BOX	7	8	9	10	11
*14 Tooth	**10 Tooth	9" 22.8 cm	10" 25.4 cm	11" 28 cm	12" 30.5 cm	14" 35.5 cm
*14 Tooth	*14 Tooth	25.4 cm	33 cm	35.5 cm	40.6 cm	43.2 cm
*14 Tooth	**18 Tooth	17" 43.2 cm	19" 48.3 cm	20" 50.8 cm	24" 61 cm	26" 66 cm
*14 Tooth	**24 Tooth	23" 58.4 cm	25" 63.5 cm	28" 71 cm	32" 81.3 cm	34" 86.3 cm

A complete set of Spacing Sprockets shown above comes with each unit.

*Standard Roller Chain Sprocket on Unit.
**Optional Roller Chain Sprockets for additional spacings.
Optional #6000EJ w/Extra Jackshaft gives additional spacings from 34" to 84".
Spacings as listed are approximate and will vary with soil conditions.

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MODEL CT-8 SPACING CHART					
POCKETS ON CHAIN	NO. OF TEETH ON SPACING SPROCKETS				
	7	8	9	10	11
6	24" 61 cm	26" 66 cm	28" 71.1 cm	30" 76.2 cm	32" 81.3 cm
3	48" 122 cm	52" 132 cm	56" 142 cm	60" 152 cm	64" 162 cm
2	72" 183 cm	78" 198 cm	84" 213 cm	90" 229 cm	96" 244 cm

The above spacings may vary + or — due to ground conditions.

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MODELS CT-10 & CT-12 SPACING CHART					
POCKETS ON CHAIN	NO. OF TEETH ON SPACING SPROCKETS				
	7	8	9	10	11
2	60" 152 cm	68" 173 cm	75" 190 cm	83" 210 cm	90" 228 cm
3	40" 101 cm	45" 114 cm	50" 127 cm	54" 137 cm	60" 152 cm

The above spacings may vary + or — due to ground conditions.

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DISC SPACING CHART FOR MODELS 525 AND 1000 WITH DIRECT DRIVE							
Sprocket on OUTSIDE of Jackshaft	Sprocket on INSIDE of Jackshaft	Number of Pockets on the Disc	Number of Teeth on Sprocket by Disc				
			7	8	9	10	11
7	7	24	2"	2 1/4"	2 1/2"	2 3/4"	2 3/4"
		16	3"	3 1/4"	3 1/2"	4"	4 1/4"
		12	4"	4 1/4"	4 1/2"	5"	5 1/4"
8	7	24	2 1/2"	3"	3 1/4"	3 1/2"	3 3/4"
		16	3 1/2"	3 3/4"	4 1/4"	4 1/2"	5 1/4"
		12	6"	6 1/4"	6 1/2"	7"	7 1/4"
9	7	24	2 1/2"	2 3/4"	3 1/4"	3 1/2"	4"
		16	3 3/4"	4 1/4"	4 1/2"	5"	5 1/2"
		12	4 1/2"	6 1/4"	6 1/2"	7 1/4"	8"
10	7	24	2 1/2"	3"	3 1/2"	3 3/4"	4 1/4"
		16	3 3/4"	4 1/4"	5 1/4"	5 1/2"	6 1/4"
		12	5 1/2"	6"	7"	7 1/2"	8 1/2"
11	7	24	2 1/2"	3"	3 1/4"	4 1/4"	4 3/4"
		16	4"	5"	6"	6 1/4"	7 1/4"
		12	5 1/2"	6 1/4"	7 1/4"	8"	10"

For centimeter spacings, multiply desired spacing by 2.54.
Spacing may vary due to different ground conditions.
Avoid spacings greater than or less than what is shown (shaded area).

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SPACING CHART FOR MODEL 550L USING 20 POCKETS ON THE DISC					
Sprocket on OUTSIDE of Jackshaft	Sprocket on INSIDE of Jackshaft	Number of Teeth on Sprocket by Disc			
		8	9	10	11
11	11			3" 7.6 cm	3 1/2" 8.9 cm
11	9		3" 7.6 cm	3 1/2" 8.9 cm	4" 10.2 cm
11	8	3 1/2" 8.9 cm	3 1/2" 8.9 cm	3 3/4" 9.5 cm	4" 10.2 cm
11	7	3 3/4" 9.5 cm	4" 10.2 cm	4 1/4" 11.4 cm	4 3/4" 12.1 cm

SPACING MEASUREMENT WHEN USING 10 POCKETS ON THE DISC					
Sprocket on OUTSIDE of Jackshaft	Sprocket on INSIDE of Jackshaft	Number of Teeth on Sprocket by Disc			
		8	9	10	11
11	10			6 1/4" 15.9 cm	6 3/4" 16.5 cm
11	9		6" 15.2 cm	7" 17.8 cm	7 1/2" 19.0 cm
11	8	6 1/2" 16.5 cm	7" 17.8 cm	7 1/2" 19.0 cm	8 1/4" 21.2 cm
11	7	7 1/2" 19.0 cm	8 1/4" 21.2 cm	9 1/4" 23.5 cm	10" 25.4 cm

By using the sprockets and spacings shown in the last column the smoothest unit operation will be obtained. Spacings may vary slightly due to soil conditions. Make sure Floating Hitch is parallel to the ground when starting to plant.

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CHAIN ASSEMBLY LAYOUT INSTRUCTIONS

- Pocket Chains have 2 Plain Links between attachment links, making a total of 36 links including the attachment links. SP-10 spacers, 3 1/2" long, are used on this chain and the 376S spring, 1" long, on upper conveyor bolts.
- Pocket Chains have 2 Plain Links between attachment links, making a total of 30 links including the attachment links. SP-10 spacers, 3 1/2" long, are used on this chain and the 376S springs, 1" long, on upper conveyor bolts.
- Pocket Chains have 3 Plain Links between attachment links, making a total of 32 links including the attachment links. SP-8 spacers, 4 1/4" long, are used on this chain and the 376 springs, 2" long, on upper conveyor bolts.
- Pocket Chains have 4 Plain Links between attachment links, making a total of 30 links including the attachment links. SP-6 spacers, 5 3/8" long, are used on this chain and the 376S springs, 1" long, on the upper conveyor bolts.
- Pocket Chains are the same as 10 pocket with every other pocket removed (Spacers not required).
- Pocket Chains are the same as 8 pocket with every other pocket removed (Spacers not required).

MODEL 1980 SPACING CHART			
SPACING BETWEEN PLANTS	NUMBER OF POCKETS	CHAIN LINKS BETWEEN POCKETS	TOTAL LINKS
7 1/2" - 19 cm	12	3	48
11" - 27.9 cm	9	5	54
15" - 38.1 cm	6	7	48
22" - 55.9 cm	4	11	48
30" - 76.2 cm	3	15	48
33" - 83.8 cm	3	17	54
45" - 114 cm	2	23	48

The above spacings may vary + or — due to ground conditions.

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MODEL 2000 SPACING CHART			
SPACING BETWEEN PLANTS	NUMBER OF POCKETS	CHAIN LINKS BETWEEN POCKETS	TOTAL LINKS
12" - 30.5 cm	10	5	60
14" - 35.5 cm	9	6	63
16" - 40.6 cm	8	7	64
18" - 45.7 cm	7	8	63
20" - 50.8 cm	6	9	60
26" - 66 cm	5	11	60
32" - 81.3 cm	4	14	60
40" - 101 cm	3	20	63
54" - 137 cm	2	27	56
60" - 152 cm	2	30	62

The above spacings may vary + or — due to ground conditions.

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