

STAR DRILL 144-12 Final Drive 19-24 PRIMARY DRIVE	MM. INS						MM. INS						FORWARD SPEED TO ROTATE UNIT AT 25 RPM			
	12	24	48	72	96	120	144	12	24	48	72	96	120	144	MAX KPH	MAX MPH
24/15	127	5.00	63.0	2.50	31.7	1.25	21.2	0.63	15.9	0.62	12.7	0.50	10.5	0.42	2.27	1.42
24/16	135	5.33	67.7	2.67	33.9	1.33	22.6	0.67	16.9	0.67	13.5	0.57	11.3	0.44	2.42	1.51
24/17	144	5.66	71.9	2.83	36.0	1.42	24.0	0.71	18.0	0.70	14.4	0.57	12.0	0.47	2.57	1.61
24/18	152	6.00	76.2	3.00	38.1	1.50	25.4	1.00	19.0	0.75	15.2	0.60	12.7	0.50	2.72	1.70
24/19	161	6.33	80.4	3.17	40.2	1.50	26.8	1.05	20.1	0.79	16.1	0.59	13.4	0.53	2.88	1.80
24/20	169	6.66	84.6	3.33	42.3	1.67	28.2	1.11	21.2	0.83	16.9	0.67	14.1	0.56	3.03	1.83
24/21	178	7.00	88.9	3.50	44.4	1.75	29.6	1.17	22.2	0.87	17.8	0.70	14.8	0.58	3.18	2.00
24/22	186	7.33	93.1	3.66	46.5	1.83	31.0	1.22	23.3	0.92	18.6	0.73	15.5	0.61	3.33	2.08
17/16	191	7.53	95.6	3.75	47.8	1.88	31.9	1.25	23.9	0.94	19.1	0.75	15.9	0.63	3.42	2.14
17/17	203	8.00	102	4.00	50.8	2.00	33.9	1.37	25.4	1.00	20.3	0.80	16.9	0.67	3.63	2.27
17/18	215	8.47	108	4.23	53.8	2.12	35.8	1.41	26.9	1.05	21.5	0.85	17.9	0.71	3.85	2.40
17/19	227	8.94	114	4.47	56.8	2.23	37.8	1.49	28.4	1.12	22.7	0.89	18.9	0.74	4.05	2.54
17/20	239	9.41	120	4.70	59.7	2.35	39.8	1.57	29.9	1.18	23.9	0.94	19.9	0.78	4.27	2.67
17/21	251	9.88	125	4.94	62.7	2.47	41.8	1.65	31.4	1.23	25.1	0.98	20.9	0.82	4.50	2.80
17/22	263	10.3	131	5.17	65.7	2.59	43.8	1.72	32.9	1.29	26.3	1.03	21.9	0.86	4.70	2.94
13/15	294	9.23	117	4.61	58.6	2.31	39.1	1.54	29.3	1.15	23.4	0.92	19.5	0.77	4.19	2.62
13/17	266	10.5	133	5.23	66.4	2.61	44.3	1.74	33.2	1.31	26.5	1.05	22.1	0.87	4.75	2.97
13/18	281	11.1	141	5.54	70.3	2.77	46.9	1.85	35.2	1.38	28.1	1.11	23.4	0.92	5.03	3.14
13/19	297	11.7	148	5.84	74.2	2.92	49.5	1.95	37.1	1.45	29.7	1.17	24.7	0.97	5.31	3.32
13/20	313	12.3	156	6.15	78.1	3.08	52.1	2.05	39.1	1.54	31.3	1.23	26.0	1.03	5.59	3.49
13/21	328	12.9	164	6.45	82.0	3.23	54.7	2.15	41.0	1.61	32.8	1.29	27.3	1.08	5.87	3.67
13/22	344	13.5	172	6.77	85.9	3.38	57.3	2.25	43.0	1.69	34.4	1.35	28.6	1.13	6.15	3.84
11/16	277	10.9	138	5.45	69.2	2.73	46.2	1.82	34.6	1.36	27.7	1.09	23.1	0.91	4.98	3.10
11/18	332	13.1	166	6.54	83.1	3.27	55.4	2.18	41.5	1.64	33.2	1.31	27.7	1.09	5.95	3.72
11/19	351	13.8	175	6.91	87.7	3.45	58.5	2.30	43.9	1.73	35.1	1.38	29.2	1.15	6.28	3.92
11/20	369	14.5	185	7.27	92.3	3.63	61.6	2.42	46.2	1.82	36.9	1.45	30.8	1.21	6.61	4.13
11/21	388	15.3	194	7.53	96.8	3.82	64.6	2.54	48.5	1.91	38.8	1.53	32.3	1.27	6.94	4.33
11/22	406	16.0	203	8.00	102	4.00	67.7	2.67	50.8	2.00	40.6	1.60	33.9	1.33	7.27	4.54

STAR DRILL 144-12 Final Drive
19-24 PRIMARY DRIVE

6402320

SEED SPACING CHART 19:24

PART NUMBER	MM INS										FORWARD SPEED TO ROTATE UNIT AT 25 RPM		FORWARD SPEED TO ROTATE UNIT AT 12 RPM					
	MM INS										MAX KPH	MAX MPH	MAX KPH	MAX MPH				
	12	24	48	72	96	120	144	MAX KPH	MAX MPH									
24/15	212	8.33	106	4.16	52.9	2.08	35.3	1.38	26.4	1.04	21.2	0.83	17.6	0.69	3.78	2.37	1.18	1.14
24/16	226	8.89	113	4.44	56.4	2.22	37.6	1.48	28.2	1.11	22.6	0.89	18.0	0.74	4.04	2.52	1.94	1.21
24/17	240	9.44	120	4.72	60.0	2.36	40.0	1.57	30.0	1.18	24.0	0.94	20.0	0.79	4.29	2.68	2.06	1.29
24/18	254	10.0	127	5.00	63.5	2.50	42.3	1.67	31.7	1.25	25.4	1.00	21.2	0.83	4.54	2.84	2.18	1.36
24/19	268	10.6	134	5.28	67.0	2.64	44.7	1.76	33.5	1.32	26.8	1.06	22.3	0.88	4.79	3.00	2.30	1.44
24/20	282	11.1	141	5.55	70.5	2.78	47.0	1.85	35.3	1.39	28.2	1.11	23.5	0.93	5.05	3.15	2.42	1.51
24/21	296	11.7	148	5.83	74.1	2.92	49.4	1.94	37.0	1.46	29.6	1.17	24.7	0.97	5.30	3.31	2.54	1.59
24/22	310	12.2	155	6.11	77.6	3.05	51.7	2.04	38.8	1.53	31.0	1.22	25.9	1.02	5.55	3.47	2.66	1.67
17/16	319	12.5	159	6.27	79.7	3.14	53.1	2.09	39.8	1.57	31.9	1.25	26.6	1.05	5.70	3.56	2.74	1.71
17/17	339	13.3	169	6.66	84.6	3.33	56.4	2.22	42.3	1.67	33.9	1.33	28.2	1.11	6.05	3.78	2.90	1.81
17/18	368	14.1	179	7.06	89.6	3.53	59.7	2.35	44.8	1.76	35.8	1.41	29.9	1.18	6.41	4.00	3.08	1.92
17/19	378	14.9	189	7.45	94.6	3.72	63.1	2.48	47.3	1.86	37.8	1.49	31.5	1.24	6.77	4.23	3.25	2.03
17/20	398	15.7	199	7.84	99.6	3.92	66.4	2.61	49.8	1.96	39.8	1.57	33.2	1.31	7.12	4.45	3.42	2.14
17/21	418	16.5	209	8.23	105	4.12	69.7	2.74	52.3	2.06	41.8	1.65	34.8	1.37	7.48	4.67	3.59	2.24
17/22	438	17.2	219	8.62	110	4.31	73.0	2.87	54.8	2.16	43.8	1.72	36.5	1.44	7.84	4.90	3.78	2.35
13/15	390	15.4	195	7.69	97.7	3.84	65.1	2.56	48.8	1.92	39.1	1.54	32.5	1.28	7.00	4.37	3.36	2.10
13/17	443	17.4	221	8.71	111	4.36	73.8	2.90	55.3	2.18	44.3	1.74	36.9	1.45	7.92	4.95	3.80	2.38
13/18	469	18.5	234	9.23	117	4.61	78.1	3.08	58.6	2.31	48.7	1.85	39.1	1.54	8.38	5.24	4.02	2.52
13/19	495	19.5	247	9.74	124	4.87	82.5	3.25	61.8	2.43	49.5	1.95	41.2	1.62	8.85	5.53	4.25	2.65
13/20	521	20.5	260	10.3	130	5.13	86.8	3.42	65.1	2.56	52.1	2.05	43.4	1.71	9.32	5.82	4.47	2.79
13/21	547	21.5	273	10.8	137	5.38	91.1	3.59	68.4	2.69	54.7	2.15	45.6	1.79	9.78	6.11	4.69	2.93
13/22	573	22.6	286	11.3	143	5.64	95.5	3.76	71.6	2.82	57.3	2.26	47.7	1.88	10.2	6.40	4.90	3.07
11/15	462	18.2	231	9.09	115	4.54	76.9	3.03	57.7	2.27	46.2	1.82	38.5	1.51	8.26	5.16	3.96	2.48
11/18	554	21.8	277	10.9	138	5.45	92.3	3.63	69.2	2.73	55.4	2.18	46.2	1.82	9.91	6.19	4.76	2.97
11/19	585	23.0	292	11.5	146	5.76	97.5	3.84	73.1	2.88	58.5	2.30	48.7	1.92	10.5	6.54	5.04	3.14
11/20	616	24.2	308	12.1	154	6.06	103	4.04	76.9	3.03	61.6	2.42	51.3	2.02	11.0	6.99	5.28	3.35
11/21	654	25.4	323	12.7	162	6.36	108	4.24	80.8	3.18	64.6	2.54	53.9	2.12	11.5	7.22	5.52	3.47
11/22	678	26.7	339	13.3	169	6.66	113	4.44	84.6	3.33	67.7	2.67	56.4	2.22	12.1	7.57	5.81	3.63

STAR DRILL (14-12 Final Drive) Seed spacing/Gear Chart-Adjustable Height Chain Drive Landwheel
 19-40 PRIMARY DRIVE

SEED SPACING CHART 19:40